Pioneer *sound.vision.soul*

PLASMA DISPLAY SYSTEM

PRO-1540HD
PRO-1140HD
PRO-940HD

ELITE

Register Your Product on
www.pioneerelectronics.com (US)
www.pioneerelectronics.ca (Canada)

Operating Instructions

IMPORTANT

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated, "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

NOTE TO CATV SYSTEM INSTALLER
THIS REMINDER IS PROVIDED TO CALL THE CATV SYSTEM INSTALLER'S ATTENTION TO ARTICLE 820-40 OF THE NEC THAT PROVIDES GUIDELINES FOR PROPER GROUNDING AND, IN PARTICULAR, SPECIFIES THAT THE CABLE GROUND SHALL BE CONNECTED TO THE GROUNDING SYSTEM OF THE BUILDING, AS CLOSE TO THE POINT OF CABLE ENTRY AS PRACTICAL. **D1-4-2-8_En**

WARNING: This product equipped with a three-wire grounding (earthed) plug - a plug that has a third (grounding) pin. This plug only fits a grounding-type power outlet. If you are unable to insert the plug into an outlet, contact a licensed electrician to replace the outlet with a properly grounded one. Do not defeat the safety purpose of the grounding plug **D3-4-2-1-6_A_En**

WARNING: To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment. **D3-4-2-1-7a_A_En**

This digital television is capable of receiving analog basic, digital basic and digital premium cable television programming by direct connection to a cable system providing such programming. A security card provided by your cable operator is required to view encrypted digital programming. Certain advanced and interactive digital cable services such as video-on-demand, a cable operator's enhanced program guide and data-enhanced television services may require the use of a set-top box. For more information call your local cable operator.

VENTILATION CAUTION:
When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation. For the minimum space required, see page 20.

WARNING: Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

WARNING: THE APPARATUS IS NOT WATERPROOFS, TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE AND DO NOT PUT ANY WATER SOURCE NEAR THIS APPARATUS, SUCH AS VASE, FLOWER POT, COSMETICS CONTAINER AND MEDICINE BOTTLE ETC.

WARNING: Handling the cord on this product or cords associated with accessories sold with the product will expose you to lead, a chemical known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling***.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

[For Canadian model]

This Class B digital apparatus complies with Canadian ICES-003.

FEDERAL COMMUNICATIONS COMMISSION DECLARATION OF CONFORMITY

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product Name: Plasma Display System

Model Number: PRO-1540HD/PRO-1140HD/PRO-940HD

Product Category: Class B Personal Computers & Peripherals

Responsible Party Name: PIONEER ELECTRONICS SERVICE, INC.

Address: 1925 E. DOMINGUEZ ST. LONG BEACH, CA 90801-1760, U.S.A.

Phone: 800-421-1625

For Business Customer URL

http://www.PioneerUSA.com

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

D8-10-1-2_En

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

D8-10-3a_En

IMPORTANT NOTICE – THE SERIAL NUMBER FOR THIS EQUIPMENT IS LOCATED IN THE REAR. PLEASE WRITE THIS SERIAL NUMBER ON YOUR ENCLOSED WARRANTY CARD AND KEEP IN A SECURE AREA. THIS IS FOR YOUR SECURITY.

D1-4-2-6-1_En

CAUTION: The power switch does not completely separate the unit from the mains in off position. Therefore install the unit suitable places easy to disconnect the mains plug in case of the accident. The mains plug of unit should be unplugged from the wall socket when left unused for a long period of time.

STANDBY:	When placed into the standby mode, the main power flow is cut and the unit is no longer fully operational.
STANDBY/ON Indicator:	The indicator is lit red when the unit is in the standby mode and lit blue when it is in the power-on mode. No operation can be performed when the indicator is off. However, the Plasma Display System will still consume some power as long as the power cord is inserted into the power outlet.

CAUTION:
Operating Environment
Operating environment temperature and humidity:
+0 °C to +40 °C (+32 °F to +104 °F), less than 85 %RH (cooling vents not blocked) Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light)

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However the method of connecting and operating the unit is the same.

Illustrations shown in this manual are for the PRO-1140HD unless otherwise specified.

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In order to obtain maximum enjoyment from this Pioneer PureVision PRO-1540HD/PRO-1140HD/PRO-940HD Plasma Display Panel, please first read this information carefully.

With the Pioneer PureVision PRO-1540HD/PRO-1140HD/PRO-940HD, you can be assured of a high quality Plasma Display Panel with long-life and high reliability. To achieve images of exceptional quality, this Pioneer Plasma Display Panel incorporates state-of-the-art design and construction as well as precise and highly advanced technology.

The Pioneer PureVision PRO-1540HD/PRO-1140HD/PRO-940HD incorporates the latest in color filter technology – Direct Color Filter. This filter technology improves color reproduction over previous models. It also eliminates the need for a glass panel to be layered in front of the plasma panel. This feature which furthers Pioneer's goal of reducing environmental waste in consumer electronics, during the manufacturing process and in the future during the recycling process.

Over the course of its lifetime, the luminosity of the Pioneer PRO-1540HD/PRO-1140HD/PRO-940HD Plasma Display System will diminish very slowly, which happens to all phosphor-based screens (for example, a traditional tube-type television). To enjoy beautiful and bright images on your Pioneer Plasma Display Panel for many years to come, please carefully read and follow the usage guidelines below.

Usage guidelines

All phosphor-based screens (including conventional tube-type televisions) can be affected by static images appearing for a prolonged period. Plasma displays are no exception to this rule. After-image and permanent effects on the screen can be avoided by taking some basic precautions.

- Whenever possible, avoid showing the same image or low-motion pictures (e.g. closed-captioned images or video game images which have static portions).
- Avoid viewing the On Screen Display (OSD) for extended periods (from a DVD player, VCR, and all other components).
- Do not leave the same picture, freeze-framed or paused continuously, shown over a long period of time when using the still picture mode from a TV, VCR, DVD player or any other component.
- Images which have both very bright areas and very dark areas side by side should not be displayed for a prolonged period of time.
- When playing a video game, the "GAME" mode setting within "AV Selection" is strongly recommended. However, please do not use this mode for long periods of time.
- After playing a game, displaying a PC image, or any still image, it is best to view a normal moving picture in the "WIDE" or "FULL" screen setting for over 3 times longer than the previous still/moving image was shown.
- After using the Plasma Display System, always switch the display to Standby.
- Extensive viewing of content with top, bottom, or side masks may cause uneven wear. After viewing masked content, view full screen motion video for an equal or greater amount of time.

Installation guidelines

The Pioneer PureVision PRO-1540HD/PRO-1140HD/PRO-940HD Plasma Display Panel incorporates a very thin design. To ensure safety, please take the proper measures when mounting or installing the Plasma Display. Prevent the unit from tipping over during vibration or accidental movement.

This product should be installed by using only parts and accessories designed by PIONEER. Use of installation or mounting accessories other than PIONEER-approved stands or brackets may result in instability and could cause injury. For custom installation, please consult the dealer where the unit was purchased. To ensure correct installation, experienced and qualified experts must install the unit. PIONEER is not responsible for accident or damage caused by the use of parts and/or accessories manufactured by other unauthorized companies.

To avoid malfunction and overheating when installing, make sure that the vents on the main unit are not blocked. To ensure proper venting:

- Distance the unit slightly from other equipment, walls, etc. For the minimum space required around the unit, see page 20.
- Do not place the unit inside a narrow place where ventilation is poor.
- Do not cover with a cloth, etc.
- Clean the vents on the sides and rear of the unit to remove dust build-up. Use a vacuum cleaner set to its lowest suction setting to clear dust.
- Do not place the product on a carpet or blanket.
- Do not leave the product tilted at an angle without proper anchoring.
- Do not invert the product.

Using the unit without proper ventilation may cause the internal temperature to rise, and could result in possible malfunction. When the surrounding or internal temperature exceeds a certain degree, the display automatically powers OFF in order to cool the internal electronics.

Malfunction can be caused by many factors: inappropriate installation site, improper assembly/installation/mounting, improper operation of or modifications made to this product, etc. PIONEER is not responsible for accidents or malfunction caused by the above situations.

NOTE

The following points are typical effects and characteristics of a phosphor-based matrix display and as such, are not covered by the manufacturer's limited warranties:

- Permanent residual images upon the panel's phosphors.
- Existence of a small number of inactive light cells.
- Panel generated sounds (Fan motor noise, electrical circuit humming, glass panel buzzing, etc.)

⚠ CAUTION

PIONEER bears no responsibility for any damage arising from incorrect use of the product malfunctions when in use, other product related problems, and use of the product except in cases where the company must be liable.

Plasma Display protection function

When still images (such as photos and computer images) stay on the screen for an extended period of time, the screen slightly dims. This function automatically adjusts the brightness to protect the screen when a still image is detected. The screen is dimmed for approximately three minutes.

Information of pixel defect

Plasma screens display information using pixels. Pioneer plasma display panels contain a very large number of pixels. (A 42" panel has over 2.3 million pixels, a 50" panel has over 3.1 million pixels and a 60" panel over 3.1 million pixels). All Pioneer plasma panels are manufactured using a very high level of ultra-precision technology and undergo individual quality control.

In rare cases, one or more pixels may remain switched Off or On. A pixel that remains Off appears as a tiny black dot on the screen while an active pixel appears as a dot of a particular color.

This effect is common to all plasma displays because it is a consequence of the technology.

If the defective pixels are visible at a normal viewing distance of between 2.5 and 3.5 meters (8.2 and 11.5 feet) while viewing a normal broadcast (i.e. not a test card, still image, or single color display) please contact Pioneer Customer Support Div. (USA) or Customer Satisfaction Dept. (CANADA). See back cover for contact information.

If, however, the fixed pixel(s) can only be seen from a distance of less than 8 feet or during single color displays then the appearance is considered normal for plasma technology.

Infrared rays

The Plasma Display releases infrared rays because of the panel characteristics. Surrounding equipment with remote controls and wireless headphones using infrared signals can experience interference. Move any affected equipment to a location away from the plasma panel.

Radio interference

While this product meets required specifications, the panel emits a small amount of electronic noise. This noise can affect radio, computer, and VCR reception. Move devices away from the panel to reduce or eliminate interference.

Plasma Display driving sound

The screen of the Plasma Display is composed of extremely fine pixels and these pixels emit light according to received video signals. This principle may cause you to hear a buzz or electrical hum coming from the Plasma Display.

Do not attach such items as labels and tape to the product.

- Labels and tape can mar or discolor the cabinet.

When not using the product for a long time

- If you do not use the product for a long time, the functions of the product may be adversely affected. Switch ON and run the product occasionally to maintain quality.

Condensation

- Condensation may take place on the surface or inside of the panel when the unit is rapidly moved from a cold place to a warm place or when a heater is turned On in the room. When condensation occurs, do not switch On the panel until condensation disappears. Operating the panel when there is condensation can damage the unit.

Cleaning the surface of the screen and the glossy surface of the front cabinet

- When cleaning the surface of the screen or the glossy surface of the front cabinet, gently wipe with the supplied cleaning cloth or a similar cloth (e.g., cotton, flannel, etc.). Using a dirty or course material cloth can scratch and damage the panel's surfaces.
- If you clean the surface of the screen with a wet cloth, water droplets may enter into the product, resulting in a malfunction.

Cleaning the cabinet

- When cleaning other panel surfaces, gently wipe with a clean soft cloth (e.g., cotton, flannel, etc.). Using a dirty or course material cloth can scratch and damage the panel's surfaces.
- The cabinet of this product is mostly composed of plastic. Do not use chemicals such as benzene or thinner to clean the cabinet. Using these chemicals can strip the surface coating or cause cabinet deterioration.
- Do not expose the product to a volatile gas or fluid such as pesticide. Do not apply rubber or vinyl products to the cabinet for long periods of time. The effect of plasticizer on the cabinet can strip the surface coating or cause deterioration.
- If you clean the surface of the cabinet with a wet cloth, water droplets may enter into the product, resulting in a malfunction.

Handles at the rear of the Plasma Display

- Do not remove the handles from the rear of the Plasma Display.
- When moving the Plasma Display, ask another person for help and use the handles attached to the rear of the Plasma Display. Do not move the Plasma Display by holding only a single handle. Use the handles as shown on page 20.
- Do not use the handles to hang, suspend, or anchor the panel.

Fan motor noise

The rotation speed of the cooling fan motor increases when the ambient temperature of the Plasma Display becomes high. You may hear the sound of the fan motor at that time.

About the menu window size following video format switch

The video program that you watch may be high definition (HD) or standard definition (SD). This Plasma Display is designed to scale to either HD or SD signals. If the video program's definition type changes while a menu window is displayed on the screen (for example: HD → SD or SD → HD), the menu size may temporarily shrink or enlarge until the scaling is complete. For example, switching between a TV program and an external digital video recorder (D-VHS) while viewing a menu can cause the menu window size to fluctuate.

If this happens, the menu will return to its normal size after two to three seconds. This action is normal, and does not indicate a problem with your Plasma Display Panel.

Image Retention

When a static image is shown on a display for several hours, a faint imprint of the image, known as image retention, can remain. This image retention may be temporary or permanent. Although caused by different things, image retention can occur on all display technologies, including plasma and LCD. On today's plasma displays, permanent image retention is less of a worry. Most image retention can be improved simply by watching a motion video sequence.

Image retention, also known as burn-in, can occur in all phosphor-based display systems (including CRT television systems–both direct view and projection–as well as plasma display systems). To avoid image retention or burn-in, do not show a still image for an extended period. Recommended guidelines are as follows:

- Do not display static images such as still images, fixed images from PC or TV game equipment, and/or fixed images such as time of day indicator or channel logo display for long periods.
- Do not display content in the 4:3 aspect ratio (black or gray bars on left and right side of content) or letter-box content (black bars above and below content) for extended periods of time, or use either of these viewing modes repeatedly within a short period of time. This plasma display system is equipped with multiple wide-screen viewing modes; use one of these screen modes to fill the entire screen with content.
- Displaying dark images after showing a still image for an extended time may cause image retention. In most cases, the image retention can be corrected by displaying bright images for a similar period of time.

Warning: Displaying a still image on the panel for a long period of time can cause the image to be burned in to the screen permanently.

⚠ CAUTION

Panel sticking and after-image lag

- Displaying the same images such as still images for a long time may cause after-image lagging. This may occur in the following two cases.

1 After-image lagging due to remaining electric load

When image patterns with very high peak luminance are displayed for more than one(1) minute, after-image lagging may occur due to the remaining electrical load. The after-images remaining on the screen disappears when moving images are shown. The time for the after-images to disappear depends on the luminance of the still image and the length of time displayed.

2 After-image (lag image) due to burning

Avoid displaying the same image on the Plasma Display continuously over a long period of time. If the same image is displayed continuously for several hours, or for shorter periods but over several days, a permanent after-image may remain on the screen due to burning of the fluorescent materials. Such images may become less noticeable if moving images are later displayed but they do not disappear completely.

NOTE

- When a program menu, TV Guide screen or frozen image is displayed for 5 to 10 minutes, the system automatically turns the screen off to prevent damage from screen burning.
- To prevent screen burning, the display position is automatically changed slightly when the power is switched on or the input changed. Depending on the broadcast content, some parts of the picture may not be visible.

Preventing damage from screen burning

- Please show images in full screen unless doing so causes copyright infringement. See page 65.
- The Energy save function can be set to help prevent screen burn-in. See page 63.

⚠ CAUTION

DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND, TRIPOD, BRACKET, OR TABLE. THE PRODUCT MAY FALL, CAUSING SERIOUS PERSONAL INJURY AND SERIOUS DAMAGE TO THE PRODUCT. USE ONLY WITH A CART, STAND, TRIPOD, BRACKET, OR TABLE RECOMMENDED BY THE MANUFACTURER, OR SOLD WITH THE PRODUCT. FOLLOW THE MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING THE PRODUCT. ONLY USE MOUNTING ACCESSORIES RECOMMENDED BY THE MANUFACTURER.

A PRODUCT AND CART COMBINATION SHOULD BE MOVED WITH CARE. QUICK STOPS, EXCESSIVE FORCE, AND UNEVEN SURFACES MAY CAUSE THE COMBINED UNIT TO OVERTURN.

This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. To prevent injury, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your product, please read the following precautions carefully before using the product.

- Read all operating instructions before operating the panel.
- Keep this manual safe for future reference.
- Observe all warnings on the product and in the operating instructions.
- Follow all operating instructions.
- Cleaning—Unplug the power cord from the wall outlet before cleaning the product. To clean the product, use the supplied cleaning cloth or other soft cloth (e.g., cotton, flannel, etc.). Do not use liquid or aerosol cleaners.
- Do not use attachments unless recommended by the manufacturer. Use of unauthorized attachments can result in accidents.
- Do not use the product near water (bathtub, washbasin, kitchen sink, laundry area, swimming pool, in a wet or damp basement, etc.).
- Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the panel. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the unit. When mounting the product on a wall, follow the manufacturer's instructions precisely. Use only mounting hardware recommended by the manufacturer.
- Sudden stops, excessive pushing and uneven floors can cause a unit mounted on a cart to fall. Move the cart with caution.

- Openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the panel. Do not place the product on a bed, sofa, rug or other similar surface since material can block the vents. This product is not designed for built-in installations. Do not place the product in an enclosed place such as a bookcase or rack unless properly vented.
- This product must operate on a power source as stated on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.
- Power cord protection—The power cords must be routed properly to prevent being stepped on or being pinched between objects. Check entire length of all cables to guard against pinching.
- This panel contains glass elements. Sudden impacts from dropping or hitting the panel can break the glass. If the panel is broken, avoid contact with the glass shards.
- Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
- Never insert objects through vents or openings. High voltage flows in the product, inserting an object can cause electrical shock and/or short internal parts. For the same reason, do not spill water or liquids into the products.
- Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request service from qualified and authorized service personnel.
- If any of the following conditions occurs, unplug the power cord from the AC outlet and arrange for repairs with qualified service personnel.
  - power cord or plug is damaged
  - liquid spilled or objects fallen into unit
  - exposed to rain or water
  - product fails to perform as described in the operating instructions
    Do not touch the controls other than those described in the operating instructions. Improper adjustments can cause damage, which often requires correction by a qualified technician
  - unit dropped or damaged
  - abnormal appearance of picture
- Replacement parts must meet or exceed specifications set by the manufacturer. Use of unauthorized parts can result in fire, electric shock and/or other danger.
- Upon completion of service or repair work, request that the service technician perform periodic safety checks to ensure that the product is in proper operating condition.
- When mounting the product on a wall or ceiling, install the panel according to the method recommended by the manufacturer.
- Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating devices (including amplifiers).
- Unplug the power cord from the wall outlet before installing the speakers.
- Never expose the screen of the Plasma Display Panel to a strong impact. The screen may be broken, resulting in fire or personal injury.
- Do not expose the Plasma Display Panel to direct sunlight for a long period of time. The optical characteristics of the front protection panel changes, resulting in discoloration or warping.
- The approximate weight of each Plasma Display Panel is as follows:
  - PRO-1540HD - 51.5 kg (113.6 lbs.)
  - PRO-1140HD - 34.3 kg (75.7 lbs.)
  - PRO-940HD - 31.7 kg (69.9 lbs.)
    (with stand)

  Unpacking, carrying, and installing requires two or more people.

Installation Precautions

Observe the following precautions when installing the panel using optional mounting methods such as the bracket.

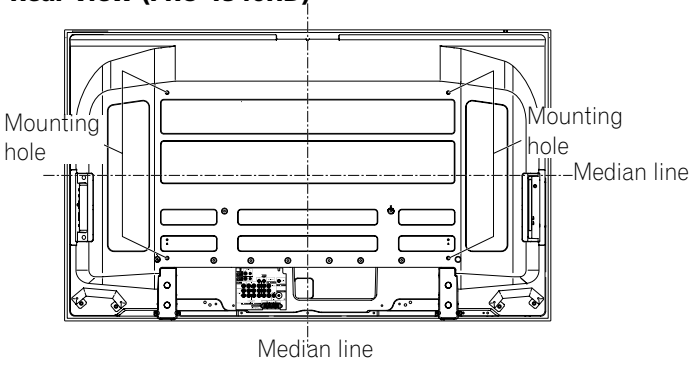
When using the optional brackets or equivalent items

- Ask your dealer to perform the installation.
- Use only the supplied bolts.
- For details, see the instruction manual that comes with the optional bracket (or equivalent mounting item).

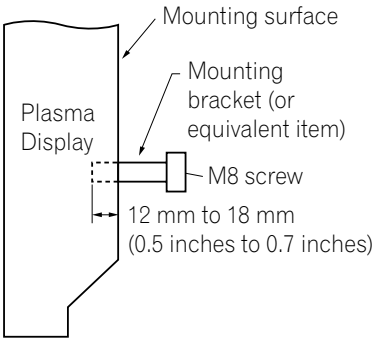
When using other items

- Consult your dealer.
- The following four to six mounting holes can be used for the installation:

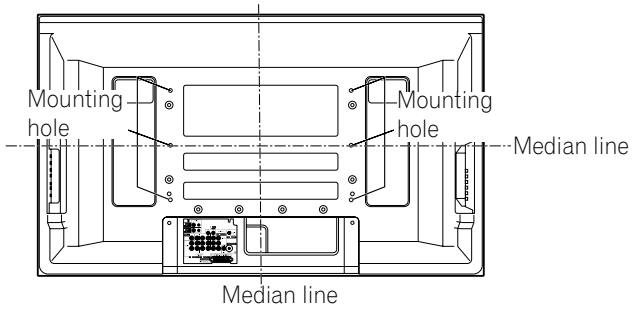
Rear view (PRO-1540HD)



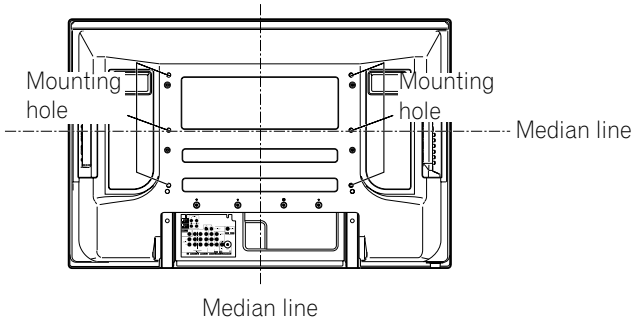
Side view



Rear view (PRO-1140HD)



Rear view (PRO-940HD)

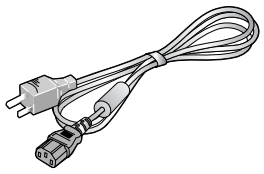


⚠ CAUTION

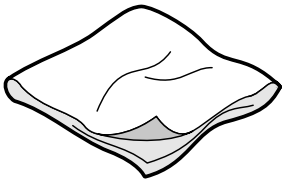
- Use at least four mounting holes symmetrical to the vertical and horizontal median lines.
- Use M8 screws, which go 12 mm to 18 mm (0.5 inches to 0.7 inches) in depth from the mounting surface of the Plasma Display. See the side view above.
- Be careful not to block rear vents on the Plasma Display.
- Install the Plasma Display on a flat surface to avoid warping the glass.
- The diagrams above show the location of standard mounting screw holes. Holes other than those shown above are for specific mounting methods and should not be used unless a mounting option's instructions require their use.

NOTE

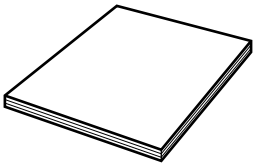
- Use the optional PIONEER mounting products whenever possible.
- PIONEER shall not be liable for any personal injury or property damage that results from using mounting items other than the optional PIONEER products.



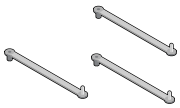
Power cord (2 m/6.6 feet)



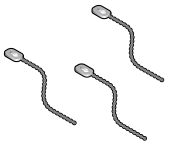
Cleaning cloth



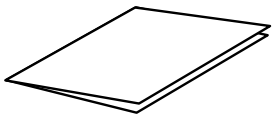
Operating instructions



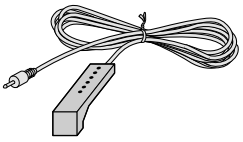
Speed clamp × 3



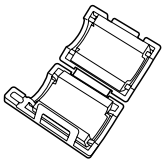
Bead band × 3



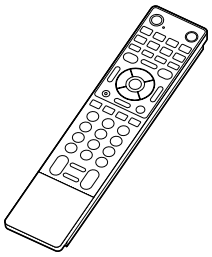
Warranty card



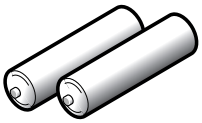
G-LINK cable (3 m/9.8 feet)



Ferrite core

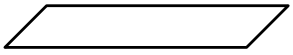


Remote control unit



AA size battery x 2
(Alkaline battery for
remote control unit)

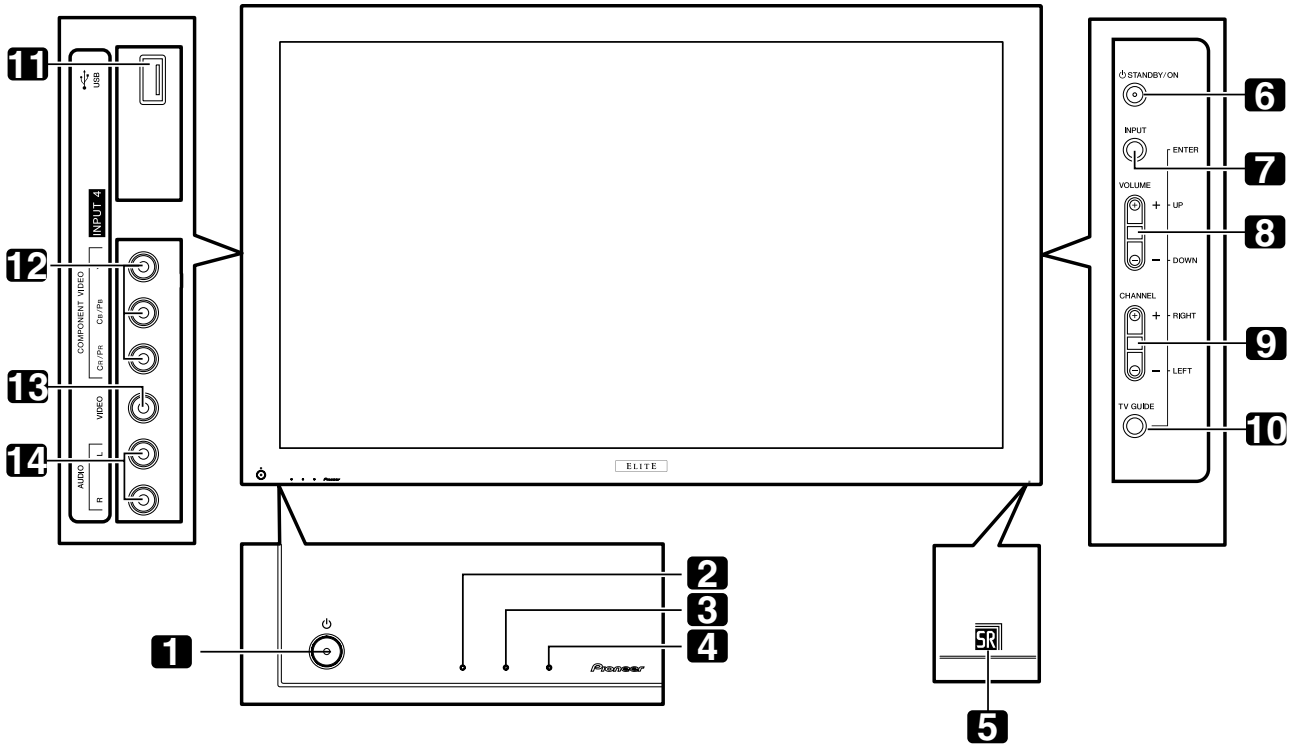
Hexagonal wrench x 1
(Diagonal size: 6 mm)
(for PRO-940HD only)



Terminal position sheet
(for use when mounting
the Plasma Display on the wall)
(for PRO-1540HD only)

Plasma Display

Front/side view (PRO-1540HD)



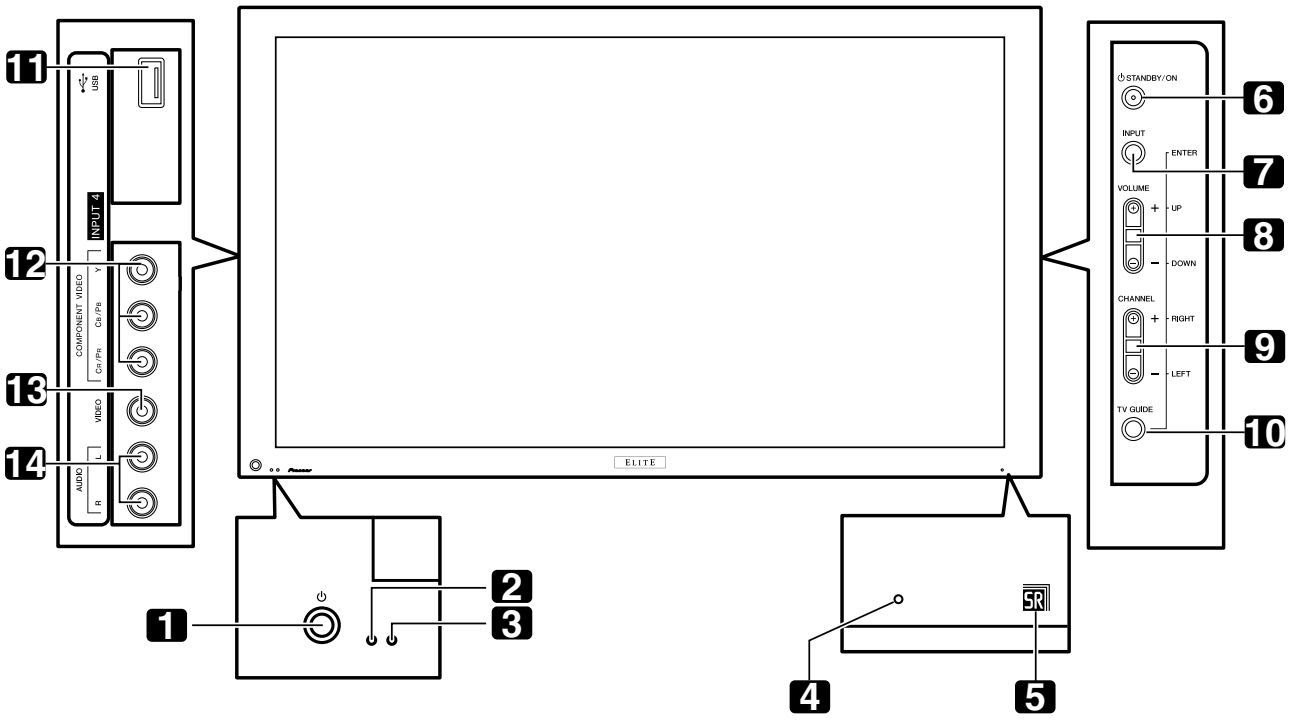
1 ⏻ **POWER** button (See page 26)
2 POWER ON indicator (See page 26)
3 STANDBY indicator (See page 26)
4 REC TIMER indicator
5 Remote control sensor

(Side view)

6 **STANDBY/ON** button
7 **INPUT** button (**ENTER** button*)
8 **VOLUME UP/DOWN** buttons (**UP/DOWN** buttons*)
9 **CHANNEL UP/DOWN** buttons (**LEFT/RIGHT** buttons*)
10 **TV GUIDE** button*
11 USB port
12 INPUT 4 terminals (COMPONENT VIDEO: Y, CB/PB, CR/PR)
13 INPUT 4 terminal (VIDEO)
14 INPUT 4 terminals (AUDIO)

* ability to operate the TV Guide On Screen™ system.

Front/side view
(PRO-1140HD)



1 ⏻ **POWER** button
(See page 26)
2 POWER ON indicator
(See page 26)
3 STANDBY indicator
(See page 26)
4 REC TIMER indicator
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(Side view)

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7 **INPUT** button (**ENTER** button*)
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9 **CHANNEL UP/DOWN** buttons (**LEFT/RIGHT** buttons*)
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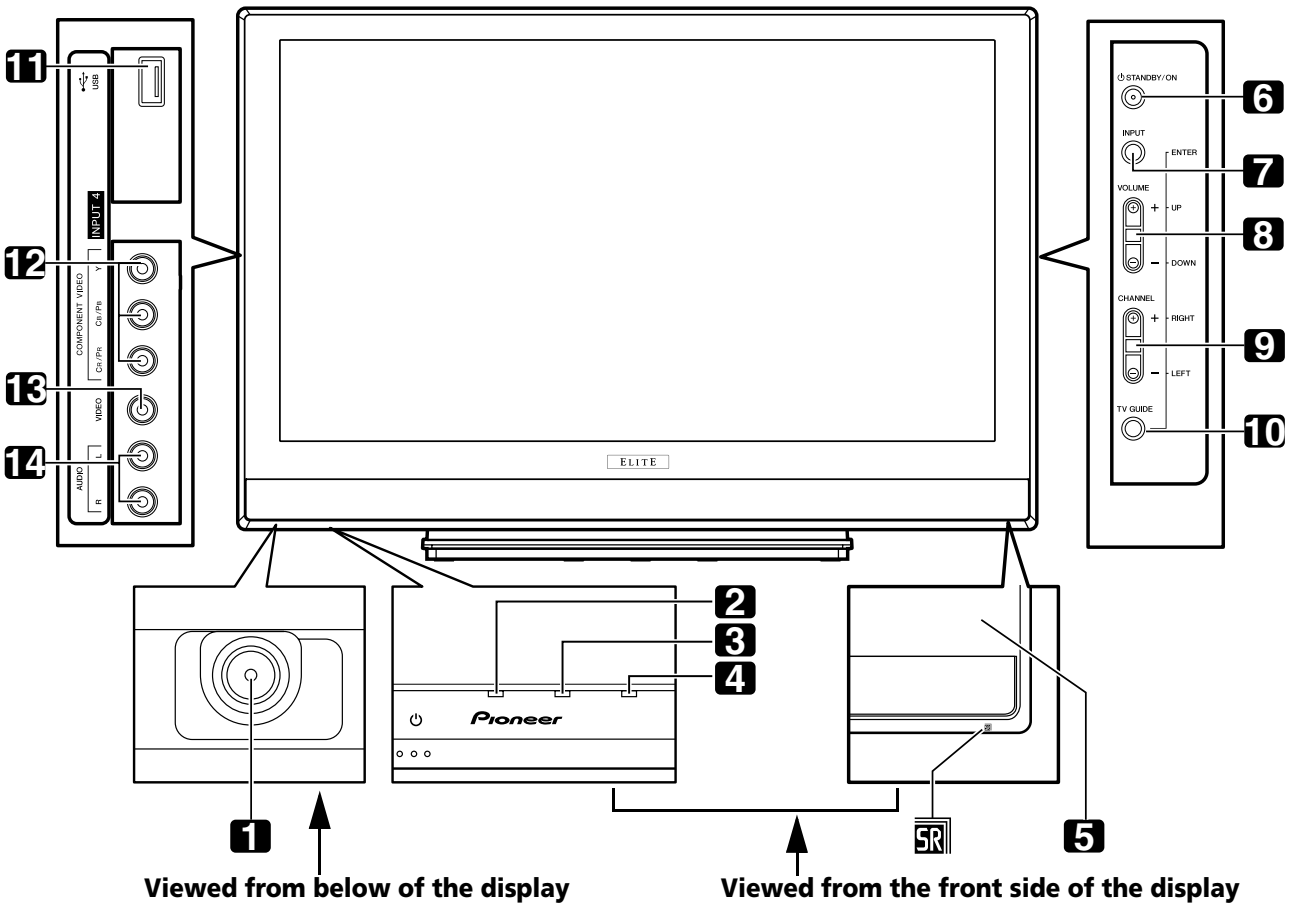
11 USB port
12 INPUT 4 terminals (COMPONENT VIDEO: Y, C_B/P_B, C_R/P_R)
13 INPUT 4 terminal (VIDEO)
14 INPUT 4 terminals (AUDIO)

* ability to operate the TV Guide On Screen™ system.

Front/side view (PRO-940HD)



1 ⏻ **POWER** button (See page 26)
2 POWER ON indicator (See page 26)
3 STANDBY indicator (See page 26)
4 REC TIMER indicator
5 Remote control sensor

(Side view)

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12 INPUT 4 terminals (COMPONENT VIDEO: Y, CB/PB, CR/PR)
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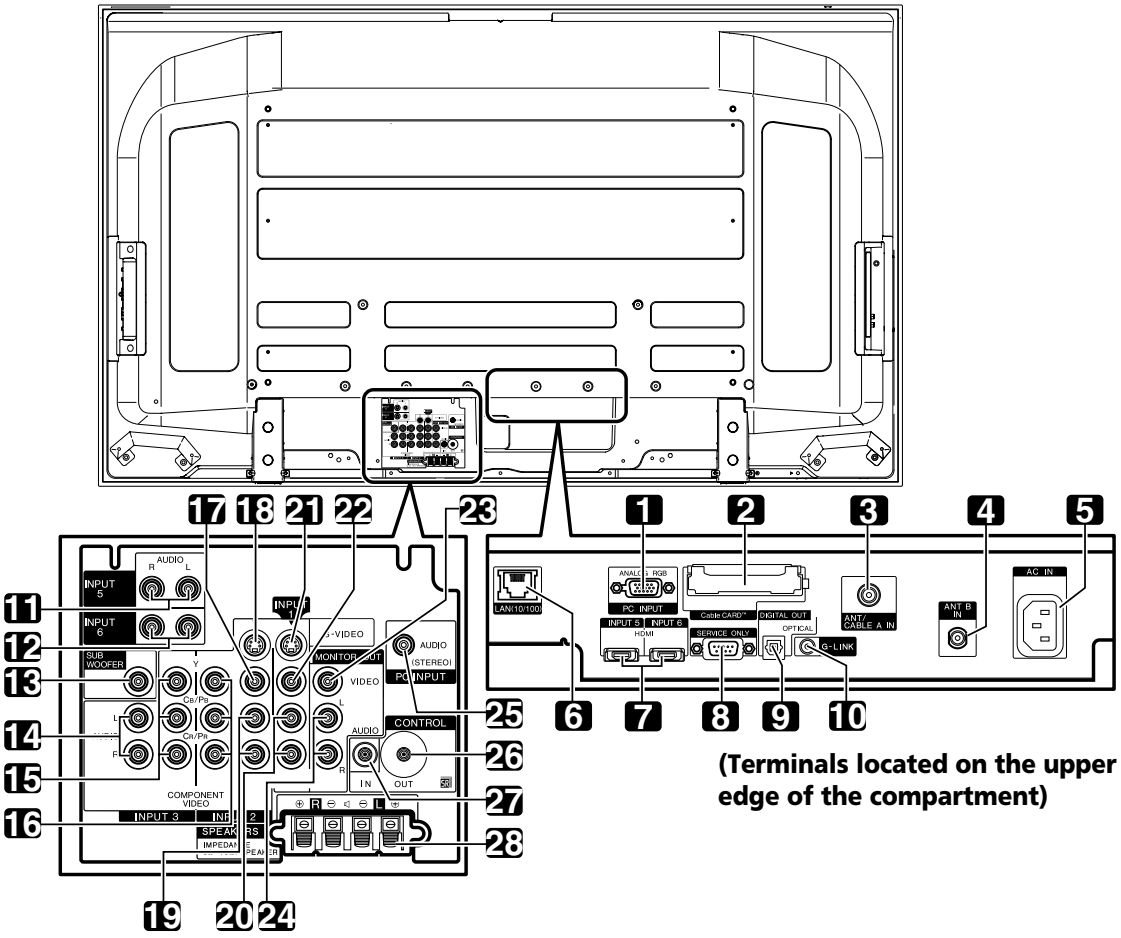
14 INPUT 4 terminals (AUDIO)

* ability to operate the TV Guide On Screen™ system.

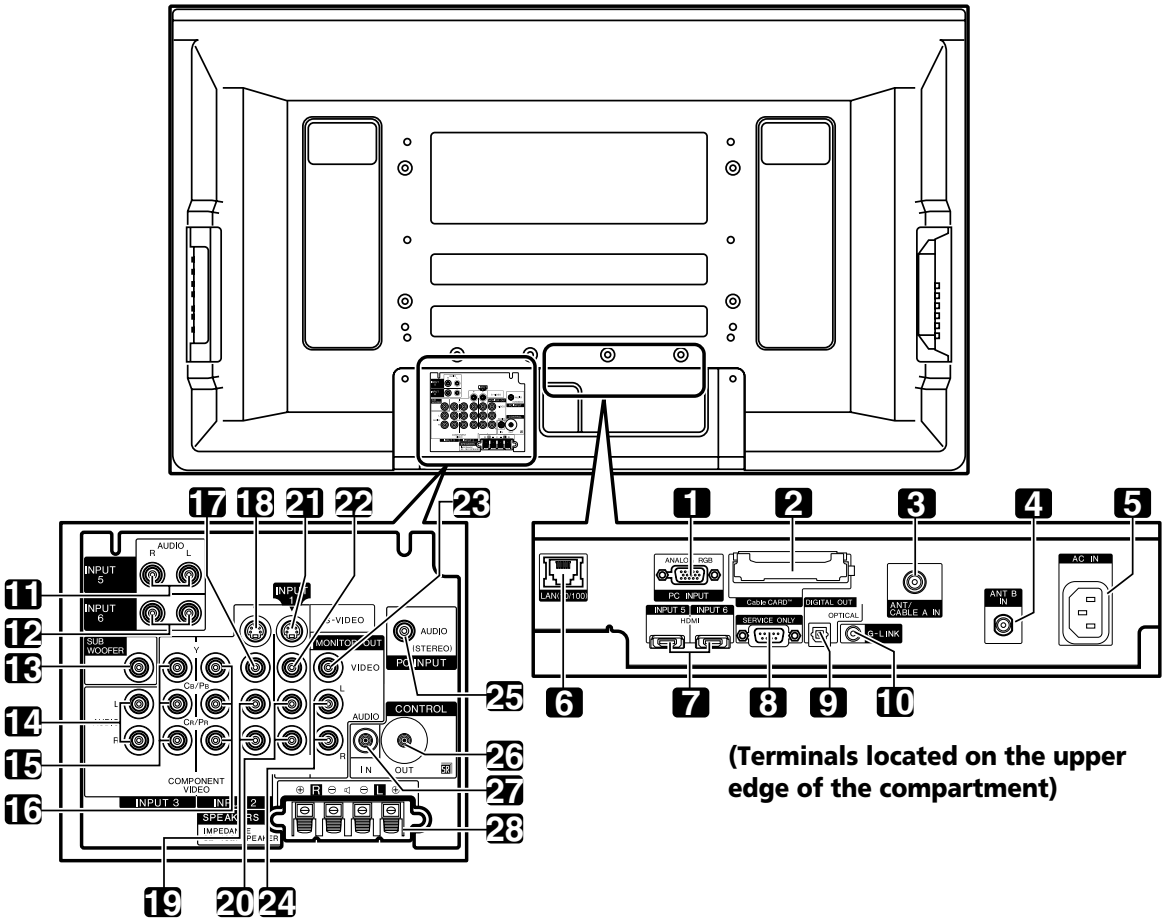
Rear view
(PRO-1540HD)



(Terminals located on the upper edge of the compartment)

1 PC INPUT terminal (ANALOG RGB)
2 CableCARD™ slot
3 ANT/CABLE A IN terminal
4 ANT B IN terminal
5 AC IN terminal
6 Ethernet cable port
7 HDMI terminals (INPUT 5/INPUT 6)
8 RS-232C terminal (used for factory setup)
9 DIGITAL OUT terminal (OPTICAL)
10 G-LINK terminal
11 INPUT 5 terminals (AUDIO)
12 INPUT 6 terminals (AUDIO)
13 SUB WOOFER terminal
14 INPUT 3 terminals (AUDIO)
15 INPUT 3 terminals (COMPONENT VIDEO: Y, C_B/P_B, C_R/P_R)
16 INPUT 2 terminals (COMPONENT VIDEO: Y, C_B/P_B, C_R/P_R)
17 INPUT 2 terminal (VIDEO)
18 INPUT 2 terminal (S-VIDEO)
19 INPUT 2 terminals (AUDIO)
20 INPUT 1 terminals (AUDIO)
21 INPUT 1 terminal (S-VIDEO)
22 INPUT 1 terminal (VIDEO)
23 MONITOR OUT terminal (VIDEO)
24 MONITOR OUT terminals (AUDIO)
25 PC INPUT terminal (AUDIO)
26 CONTROL OUT terminal
27 CONTROL IN terminal
28 SPEAKER (R/L) terminals

Rear view
(PRO-1140HD)



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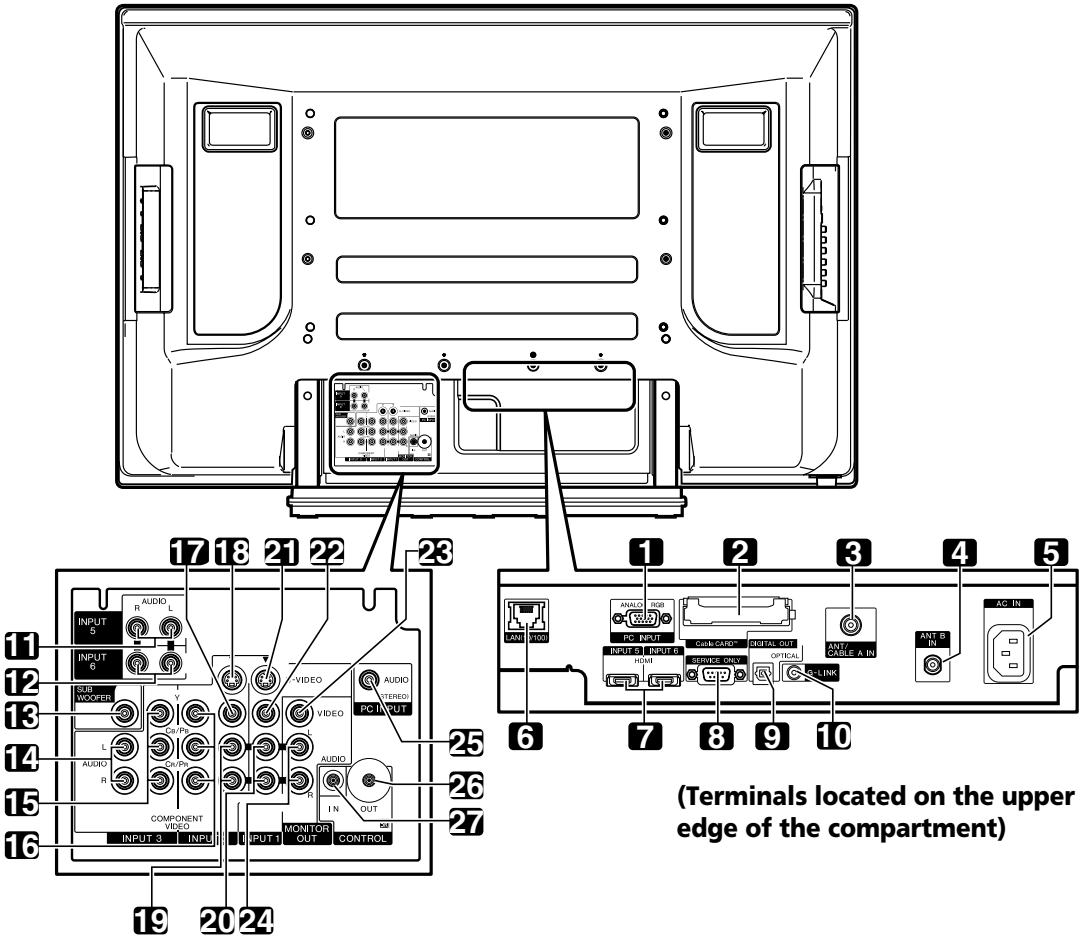
18 INPUT 2 terminal (S-VIDEO)
19 INPUT 2 terminals (AUDIO)
20 INPUT 1 terminals (AUDIO)
21 INPUT 1 terminal (S-VIDEO)
22 INPUT 1 terminal (VIDEO)
23 MONITOR OUT terminal (VIDEO)
24 MONITOR OUT terminals (AUDIO)
25 PC INPUT terminal (AUDIO)
26 CONTROL OUT terminal
27 CONTROL IN terminal
28 SPEAKER (R/L) terminals

Rear view
(PRO-940HD)



(Terminals located on the upper edge of the compartment)

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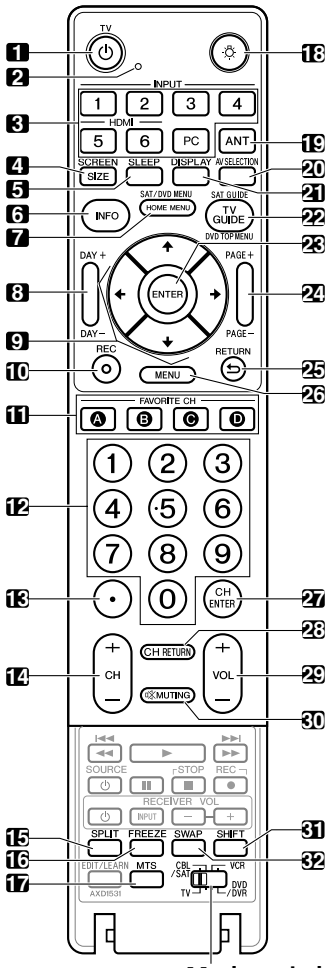
15 INPUT 3 terminals (COMPONENT VIDEO: Y, C_B/P_B, C_R/P_R)
16 INPUT 2 terminals (COMPONENT VIDEO: Y, C_B/P_B, C_R/P_R)
17 INPUT 2 terminal (VIDEO)
18 INPUT 2 terminal (S-VIDEO)
19 INPUT 2 terminals (AUDIO)
20 INPUT 1 terminals (AUDIO)
21 INPUT 1 terminal (S-VIDEO)
22 INPUT 1 terminal (VIDEO)
23 MONITOR OUT terminal (VIDEO)
24 MONITOR OUT terminals (AUDIO)
25 PC INPUT terminal (AUDIO)
26 CONTROL OUT terminal
27 CONTROL IN terminal

Remote control unit

This section describes the button functions when the mode is set to TV. To use the remote for controlling other equipment, see "Using the remote control unit to control other devices" starting on page 99.



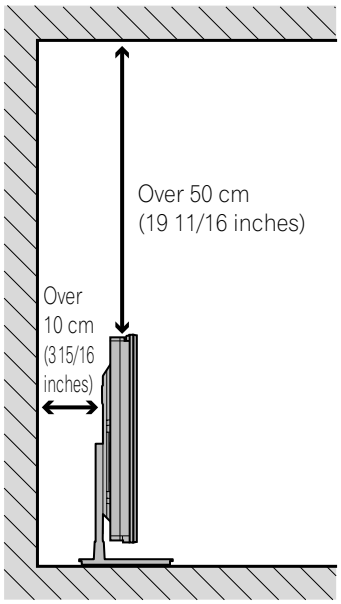
Mode switch (with "TV" selected)

1 **TV** ⏻: Turns ON the Plasma Display Panel or places it in Standby.
2 Transmission confirmation LED
3 **INPUT**: Selects an input source for the Plasma Display Panel. (INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6 and PC)
4 **SCREEN SIZE**: Selects the screen size.
5 **SLEEP**: Sets the sleep timer.
6 **INFO**: Displays a channel banner when a TV program is being watched.
(When the TV Guide On Screen™ system is in operation, information about the currently highlighted channel appears on screen (when available).)
7 **HOME MENU**: Displays the Home Menu screen
8 **DAY +/–**: Jumps to the next or previous day of program listings in the TV Guide On Screen™ Listing service.
9 ↑/↓/←/→: Selects a desired item on the menu screen
10 **REC**: When using the TV Guide On Screen™ System, triggers recording to a connected VCR
11 **FAVORITE CH (A, B, C, D)**:
Selects any of the four preset channels (see page 43 for details to set the FAVORITE CH)
*While watching, toggle the set channels by pressing **A**, **B**, **C** and **D**.*
12 **0 – 9**: Selects the channel
13 **•(dot)**: Enters a dot
When entering the number of a sub-channel.
14 **CH +/–**: Selects the channel.
15 **SPLIT**: Switches the screen mode: 2-screen, picture-in-picture, single-screen
16 **FREEZE**: Freezes a frame from a moving image.
Press again to cancel the function.
17 **MTS**: Selects MTS/SAP or language depending on the program being watched
18 ☼**:** Lights up all buttons
Lights turn off if no operations are performed within 5 seconds. This is used for remote control use in dark locations.
19 **ANT**: Selects the antenna (A, B) (see page 23 for details)
20 **AV SELECTION**: Selects audio and video settings. (AV mode: STANDARD, DYNAMIC, MOVIE, GAME, PURE, USER. PC mode: STANDARD, USER)
21 **DISPLAY**: Displays the channel information
22 **TV GUIDE**: Displays the TV Guide On Screen™ system
23 **ENTER**: Executes a command
24 **PAGE +/–** (for the TV Guide On Screen™ system):
Scrolls the program listing screen vertically.
25 **RETURN**: Returns to the previous menu screen
26 **MENU**: Displays a panel menu in the TV Guide On Screen™ system
27 **CH ENTER**: Executes a channel number
28 **CH RETURN**: Returns to the previous channel
This button is disabled while the TV Guide On Screen™ system is displayed.
29 **VOL +/–**: Sets the volume
30 **MUTING**: Mutes the sound
31 **SHIFT**: Moves the small screen to a different location when in the picture-in-picture mode
32 **SWAP**: Switches between the two screens when in the 2-screen or picture-in-picture mode

NOTE

- When using the remote control, aim it at the Plasma Display.
- See pages 92 to 102 for buttons not listed on this page.

Installing the Plasma Display



Location

- Avoid direct sunlight.
- Maintain adequate ventilation.
- Because the Plasma Display is heavy, have someone help you when moving or installing the panel.

NOTE

- Allow enough space around the installed Plasma Display Panel to ensure proper ventilation.

Using the optional PIONEER stand (for PRO-1540HD and PRO-1140HD)

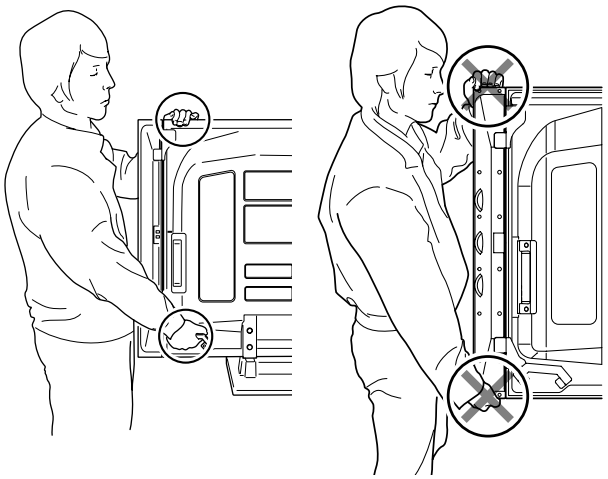
- For details on installation, refer to the instruction manual supplied with the stand.

Using the optional PIONEER speakers (for PRO-1540HD and PRO-1140HD)

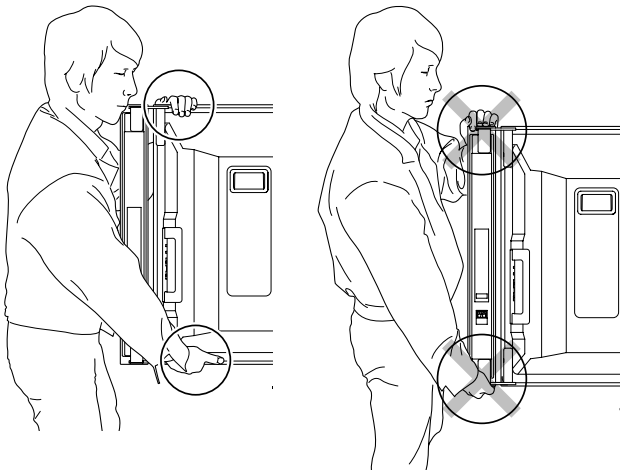
- For details on installation, refer to the instruction manual supplied with the speaker.

Moving the Plasma Display

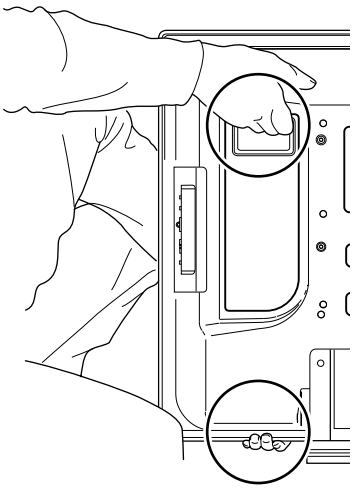
(PRO-1540HD)



(PRO-1140HD)



(PRO-940HD)



CAUTION

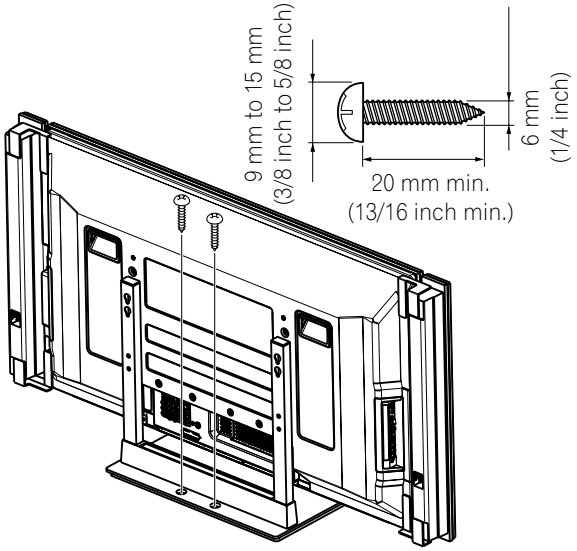
- These Plasma Display Panels are thin and can be unstable when held upright. Therefore, at least two people must move and install these panels.
- Do not hold by the speaker.
- Install the panel on a flat, stable location to avoid warping the glass components.
- When installing on a rack, etc., someone must steady the panel at all times.

Preventing the Plasma Display from Falling Over

During installation, someone must steady the panel at all times.

Stabilizing on a table or floor

Stabilize the Plasma Display as shown in the diagram using screws that are 6 mm (1/4 inch) and at least 20 mm (13/16 inch) long (available from your dealer or other hardware sources).



CAUTION

The installation site should have adequate strength to support the Plasma Display. A weak installation site could result in personal injury and property damage. Please take the necessary safety measures to prevent it from falling during emergencies, such as earthquakes or construction accidents. If you do not take these precautions, the Plasma Display could fall, causing injury or property damage.

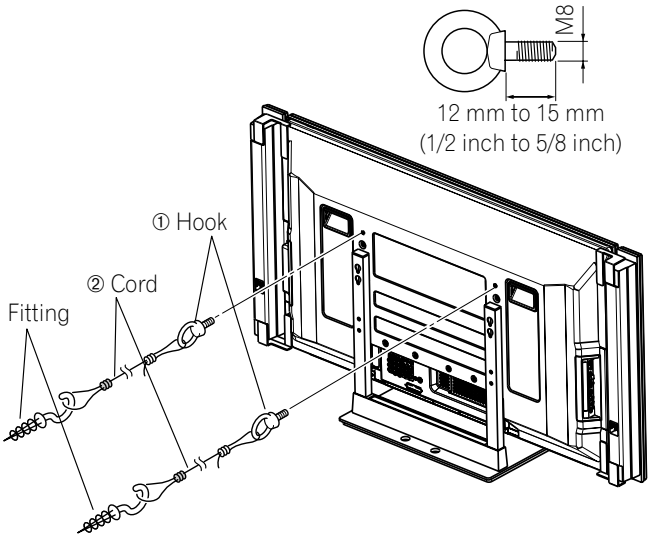
Screws, hooks, chains, and other fittings used to secure the Plasma Display vary according to the composition and thickness of the surface to which the panel is attached. Inspect the mounting surface carefully to determine its thickness and composition; consult a professional installer if necessary.

Using a wall for stabilization

1. **Attach fall-prevention bolts (hooks) to the Plasma Display.**
2. **Use strong cords to firmly attach the panel to a wall, pillar, or other sturdy construction.**
3. **Repeat attachment for the other side of the panel.**

NOTE

Use hooks, cords, and fittings that are available from your dealer or other hardware sources.
Recommended hook: Nominal diameter 8 mm (3/8 inch)
Length 12 mm to 15 mm (1/2 inch to 5/8 inch)



Attaching/detaching the PIONEER stand (for PRO-940HD only)

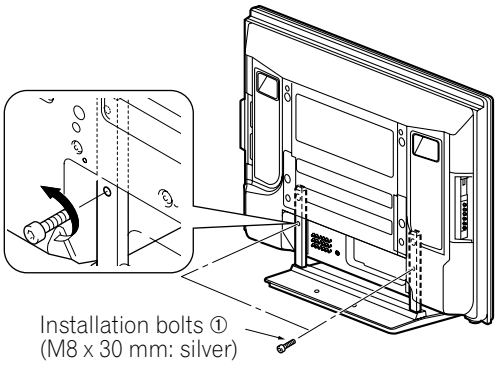
The PRO-940HD comes with the PIONEER table top stand attached. You can mount the display in a rack by detaching the stand. The method for attaching/detaching the stand varies depending on the particular panel.

CAUTION

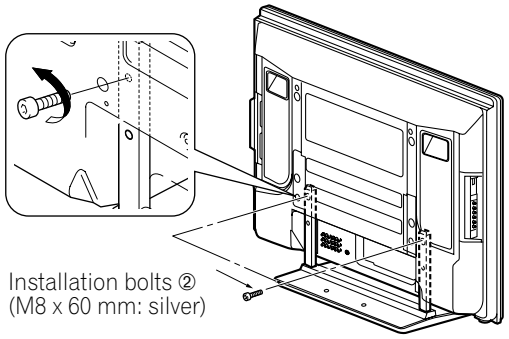
- If mounting the panel on a stand, use only the attached stand for this model. Other stand models are not authorized for this panel.
- Two or more people are required to assemble and install this unit.

Detaching the stand

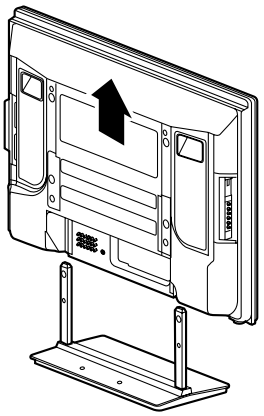
1 Loosen the two installation bolts ① using the enclosed hexagonal wrench.



2 Remove the two installation bolts ② using the same hexagonal wrench.



3 Lift the Plasma Display from the stand.



- Keep the installation bolts ① and ② for reattaching the stand to the Plasma Display at a later date.

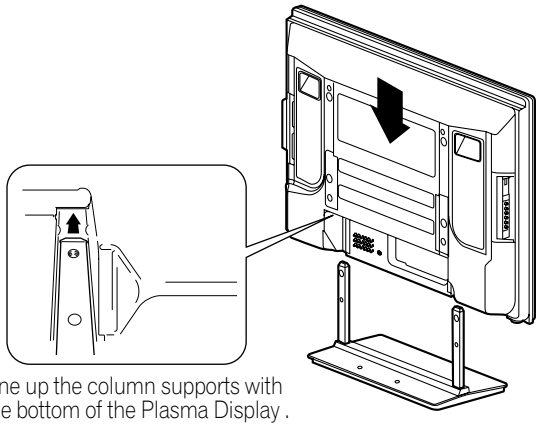
NOTE

- Install the panel on a flat, stable location to avoid warping the glass components.

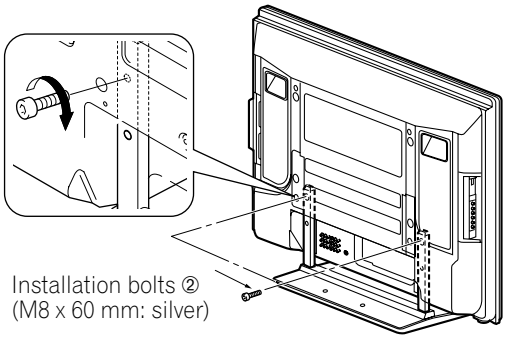
Reattaching the stand

1 Fit the stand's support columns under the Plasma Display shown below. Slowly ease the panel down on the supports.

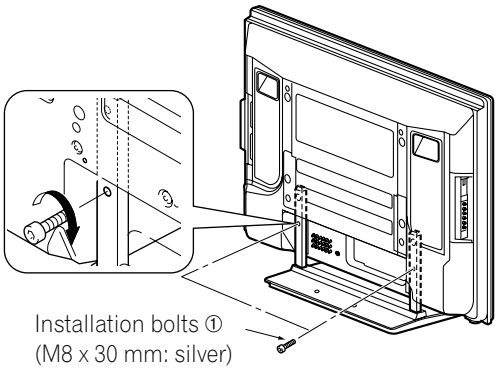
- Be extremely careful not to insert the stand supports into any part of the Plasma Display other than the stand insertion slots. If the panel is mounted improperly, the communication ports could be damaged or the stand could be warped.



2 Bolt the Plasma Display to the stand at the points indicated by the arrows.



3 Tighten the installation bolts ① firmly using the enclosed hexagonal wrench.



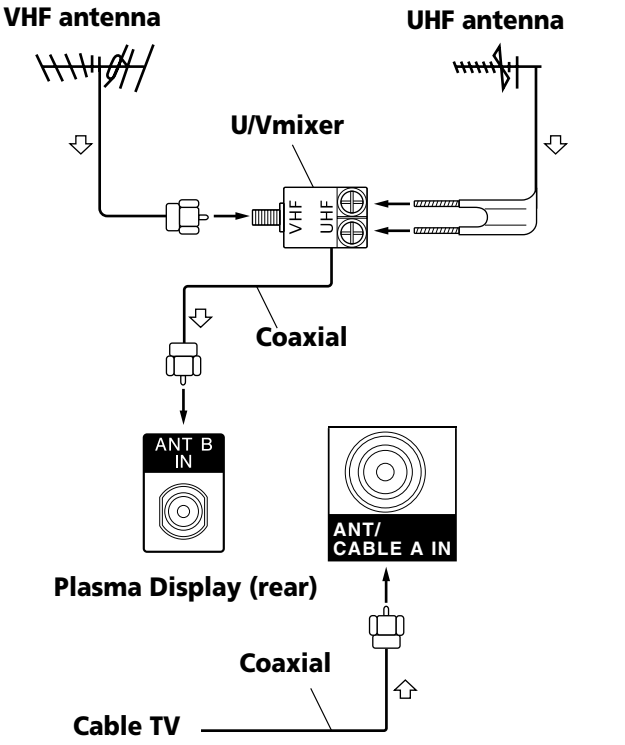
NOTE

- Install the panel on a flat, stable location to avoid warping the glass components.
- Insert the screws in the holes vertically.
- Do not tighten them with more force than necessary.

Cable connections for watching digital and/or conventional TV channels

This system is equipped with two terminals for inputting TV broadcasting signals, ANT/CABLE A IN and ANT B IN. The ANT/CABLE A IN terminal accepts both digital and conventional TV broadcasting signals while the ANT B IN terminal accepts only conventional TV broadcasting signals. When using cable TV to watch digital and/or conventional TV channels, connect to the ANT/CABLE A IN terminal as shown. To add an outdoor antenna for clearer pictures, connect an antenna to the ANT B IN terminal. If your outdoor antenna uses a 75-ohm coaxial cable with an F-type connector, plug it into the antenna terminal at the rear of the Plasma Display.

Connecting VHF/UHF antennas and a Cable



NOTE

- Connect coaxial cables as shown above. Signal reception may fail if cables are connected improperly.
- In order to watch cable TV channels, be sure to connect the cable to the ANT/CABLE A IN terminal.
- The ANT/CABLE A IN and ANT B IN terminals must not receive the same signals. For example, do not connect the cable TV line to both the ANT/CABLE A IN and ANT B IN terminals. Similarly, do not connect an antenna cable to both the ANT/CABLE A IN and ANT B IN terminals.
- The TV Guide On Screen™ system may not be available in all areas and is not available with satellite systems. In addition, as content providers move to digital programming and broadcasting, TV Guide data may be unavailable or become unavailable.

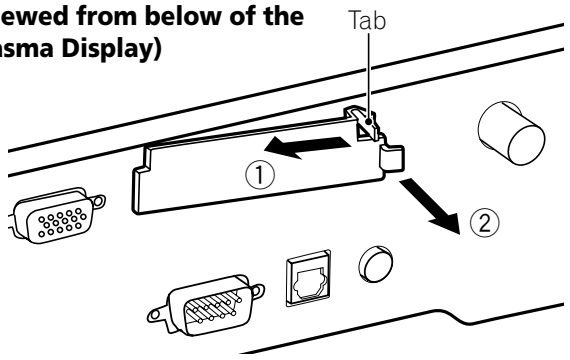
Inserting the CableCARD™

The Plasma Display provides a slot for inserting a CableCARD™. When you are watching digital and/or High Definition TV channels over cable, the card allows you to use the cable company's Point of Deployment (POD) service. This service presents various types of useful information in Internet-styled text.

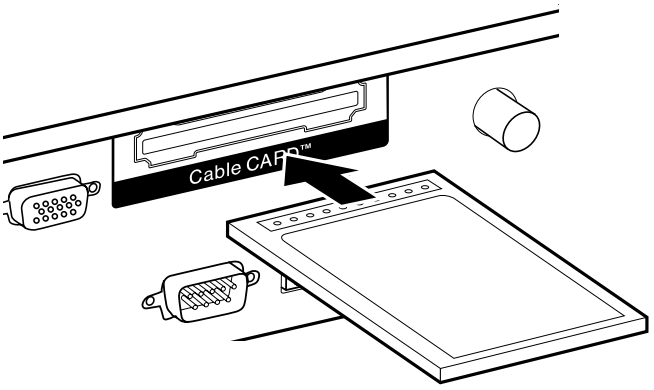
1 Confirm that the ANT/CABLE A IN terminal is connected to the Cable Converter box using a coaxial cable.

2 Slide the slot cover tab on the rear of the Plasma Display to the left then remove the cover while pulling the tab's latch down.

(Viewed from below of the Plasma Display)



3 Insert the specified CableCARD™ completely into the slot.



NOTE

- Be sure to insert only the specified CableCARD™.
- Do not insert a PC card.
- The CableCARD™ automatically generates a cable channel list. It is unnecessary to activate the "Auto Channel Preset" option.

Switching between antenna A and B

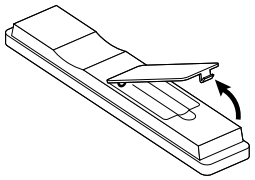
To watch broadcasts via the two antennas, press **ANT** on the remote control.

- While watching a broadcast, press **ANT** to view the feed from the other antenna.
- While watching in the 2-screen mode (TV image and video image) with TV selected, press **ANT** to view the feed from the other antenna.
- Pressing **ANT** while watching in the 2-screen mode with two TV images displayed has no effect.

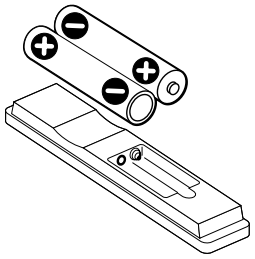
Preparing the remote control unit

Inserting batteries

1 Open the battery cover.

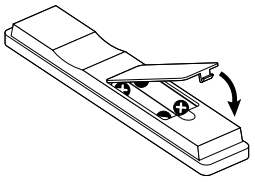


2 Load the supplied two AA batteries. Insert the negative polarity (–) ends first.



- The battery polarities must correspond with the (+) and (–) indicators in the battery compartment.

3 Close the battery cover.



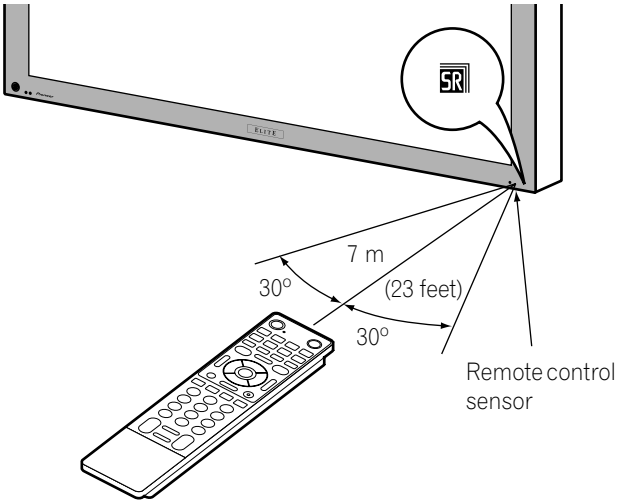
Cautions regarding batteries

- The remote control unit cannot operate the system if the batteries in the unit are weak. When this happens, replace the batteries with new ones.
- Use alkaline batteries rather than manganese batteries.
- Do not mix battery brands. Different brands have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Do not leave dead batteries in the remote control. Dead batteries leak chemicals. If you find any chemical leakage, wipe thoroughly with a clean cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not use the remote control unit for an extended period of time, remove the batteries.

Battery disposal
When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.

Allowed operation range of the remote control unit

To use the remote control, point it at the sensor located at the bottom right corner of the Plasma Display. The distance from the remote control sensor must be within 7 m (23 feet) and the angle relative to the sensor must be within 30 degrees left or right.



NOTE

- Although the SR logo also appears in the lower right corner on the PRO-940HD, the sensor is in the same location for all three panels.

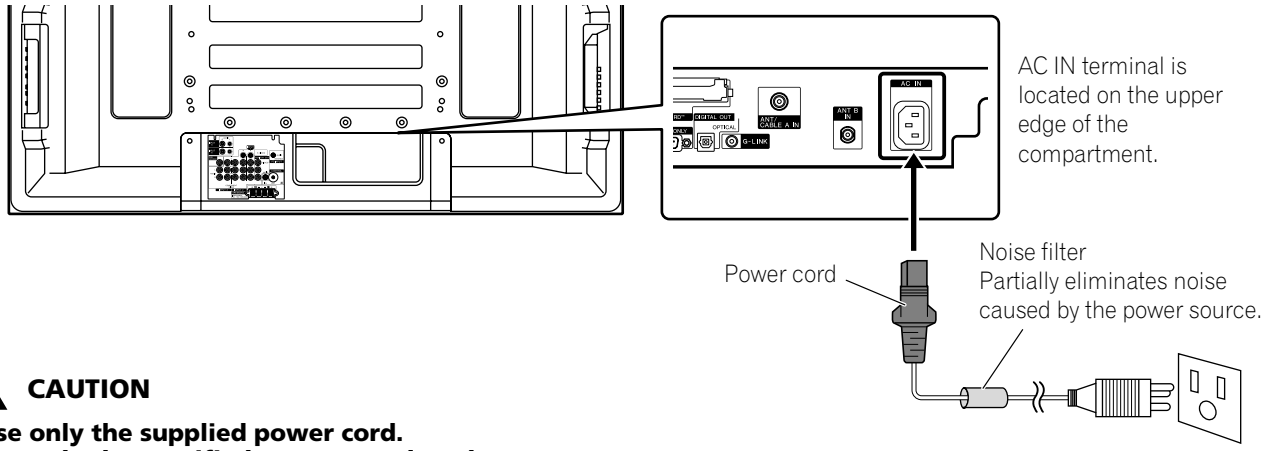
Cautions regarding the remote control unit

- Do not expose the remote control to shock, liquid, or high humidity.
- Do not place the remote control unit under direct sunlight, the unit may deform.
- The remote control may not work properly if the panel's remote sensor window is under direct sunlight or strong room lighting. If the remote control fails to function in a bright environment, try changing the signal angle or move closer to the panel.
- Objects placed between the remote control and the panel sensor may block the signal.
- As the batteries become weak, the remote control may need to be used closer to the panel. Replace the batteries with new ones if necessary.
- The Plasma Display emits very weak infrared rays from its screen. Other nearby equipment using an infrared remote control such as a VCR may receive scrambled or incomplete commands from its remote control. In this situation, move the equipment away from the Plasma Display.
- Depending on the environment, infrared rays from the Plasma Display may corrupt signals sent by the remote control. These IR waves could also require that the remote control be used closer to the panel. The strength of infrared rays emitted from the screen differs, depending on the image being displayed.

Connecting the power cord

Connect the power cord last, after all other components are connected.

Plasma Display (rear view)


AC IN terminal is located on the upper edge of the compartment.
Power cord
Noise filter
Partially eliminates noise caused by the power source.

CAUTION

- **Use only the supplied power cord.**
- **Use only the specified power supply voltage; neglecting this can result in fire or electric shock.**
- **For the Plasma Display System, a three-core power cord with a ground terminal is used for safety reasons. Always connect the power cord to a three-pronged outlet and make sure that the cord is properly grounded.**

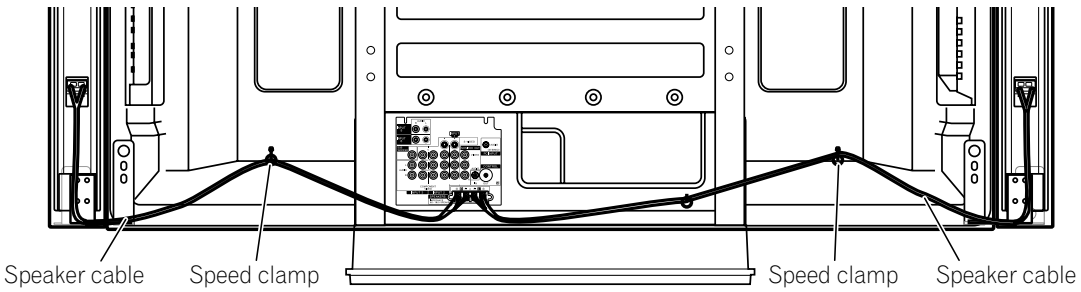
NOTE

- Always turn the panel's power OFF when connecting or disconnecting power cords.
- Disconnect the power cord from the wall outlet when the Plasma Display Panel is not going to be used for a long period of time.

Routing cables

When the speakers are installed on the sides

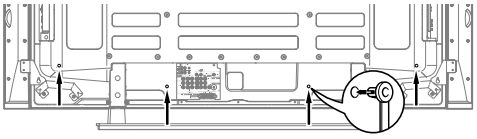
Rear view



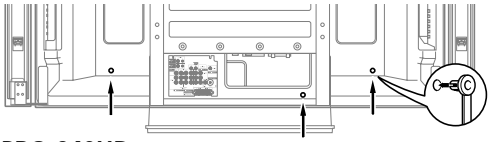
Attaching speed clamps to the main unit

Attach the speed clamps using any of the 4 holes you prefer (50 inches, 3 holes: 42 inches, 2 holes) marked with an arrow (▲) below, depending on your routing system.

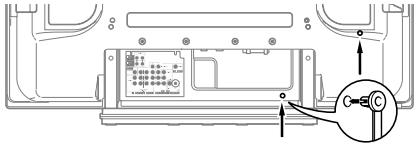
for PRO-1540HD



for PRO-1140HD

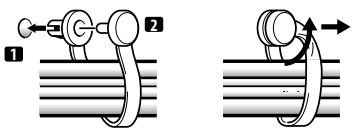


for PRO-940HD



Attaching and removing speed clamps

Insert **[1]** into an appropriate hole on the rear of the Plasma Display then snap **[2]** into the back of **[1]** to lock the clamp. Speed clamps are designed to be difficult to release once in place. Please attach them carefully.
Use pliers to twist the clamp 90°, pulling outward. The clamp may deteriorate over time and become damaged if removed.



NOTE

- Use the supplied speed clamps as necessary.
- Bundle speaker cables so that none are pinched.

Turning on the power

(from Standby)

1 Press ⏻ **POWER** on the Plasma Display if the POWER ON and STANDBY indicators are off.
- The STANDBY indicator on the Plasma Display lights up red.

2 Press **TV** ⏻ on the remote control unit or **STANDBY/ON** on the Plasma Display to turn the system on.
- The POWER ON indicator on the Plasma Display lights up blue.

Turning off the power

(to Standby)

1 Press **TV** ⏻ on the remote control unit or **STANDBY/ON** on the Plasma Display.
- The system enters the standby mode and the image on the screen disappears.
- The STANDBY indicator lights up red.
- This allows the system to automatically receive digital TV program information while in Standby.

NOTE

- If you are not going to use this system for a long period of time, unplug the power cord from the power outlet.

Plasma Display status indicators

The table below shows the operational status of the Plasma Display Panel. Panel indicators reflect the current status of the Plasma Display.

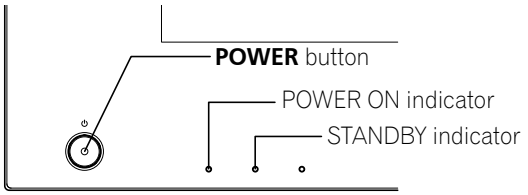
Indicator Status		System Status
POWER ON	STANDBY	
●	●	The Plasma Display has been unplugged or the Plasma Display is off.
☀	●	Power to the system is on.
●	☀	The system is in Standby.

For other than the above, see “Troubleshooting”on page 103.

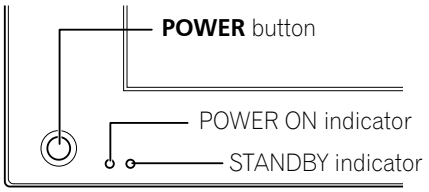
CAUTION

- If the POWER ON and STANDBY indicators are off, the system cannot be powered ON. Pressing the **TV** ⏻ or **STANDBY/ON** button has no effect. Press **POWER** then wait for the Standby indicator to light (red).
- The Plasma Display System consumes some power as long as the plug is inserted into an outlet.

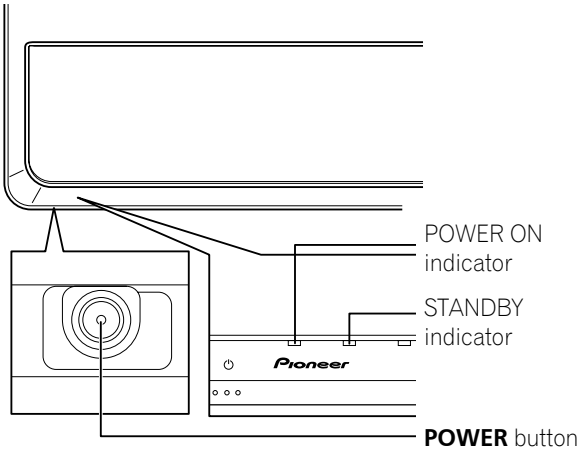
Plasma Display (PRO-1540HD)



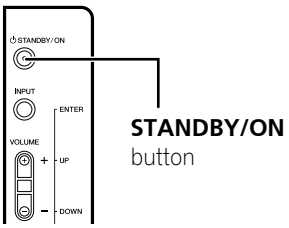
(PRO-1140HD)



(PRO-940HD)



Viewed from below of the display (left).



(Right side view)

Watching TV channels

TV channels must be programmed into your panel. Refer to “Setting up TV channels” on page 37.

NOTE

- When watching a digital TV program, you may see emergency alert messages scrolling at the top of the screen. Those messages are broadcasted by TV stations as necessary when in emergency situations.

Selecting the antenna

After confirming that the Mode switch on the remote control has been set to “TV”, press **ANT** on the remote control unit to select antenna A or B.

- This selection depends on the connections to the panel's antenna input terminals (page 23).

Changing channels

To increase the channel number, press **CH +** on the remote control. To decrease the channel number, press **CH –**.

- **CHANNEL +/–** on the Plasma Display operates the same as **CH +/–** on the remote control.
- Press **CH RETURN** to switch back to the previous channel. Press **CH RETURN** again to return to the current channel.

Using 0 – 9 and • (dot) on the remote control unit

Press any combination of buttons **0** to **9** to select a specific channel. To select subchannels, use the • (dot) button.

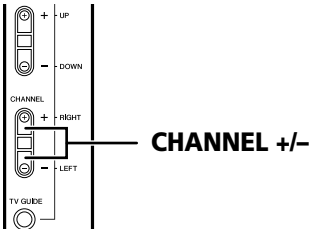
EXAMPLE

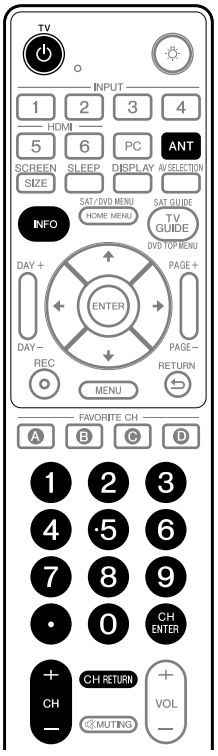
- To select channel 5 (1-digit channel), press **5**.
- To select channel 25 (2-digit channel), press **2** then **5**.
- To select channel 125 (3-digit channel), press **1**, **2**, then **5**.
- To select subchannel 10.01, press **1**, **0**, • (dot), **0**, then **1**.
- To select subchannel 10.001 (for cable TV), press **1**, **0**, • (dot), **0**, **0**, then **1**.

NOTE

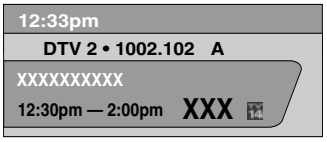
- After entering a channel or subchannel number, press **CH ENTER** to tune in the channel more quickly.
- Each time you change a channel, a channel banner appears that shows information about the currently selected channel. To clear the channel banner, press **INFO**.
- If you do not activate the TV Guide On Screen™ system, the channel banner may not display certain types of program information.

Plasma Display (right side view)





Channel banner

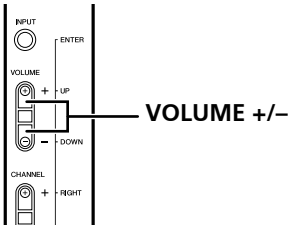


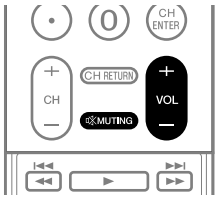
Changing the volume and sound

To increase the volume, press **VOL +** on the remote control. To decrease the volume, press **VOL –**.

- **VOLUME +/–** on the Plasma Display operates the same as **VOL +/–** on the remote control.
- To mute the sound output, press **MUTING**. The symbol "🔇" appears on the screen. To return to the previous volume, press **MUTING** again. Pressing **VOL +** also quits muting.

Plasma Display (right side view)



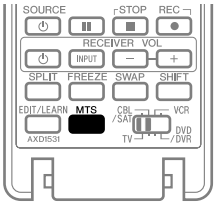


Volume adjustment display

Muting display

Changing the language

If you have selected a digital TV program that provides multi-language services, switch among the languages by pressing **MTS** on the remote control.



Each time you press **MTS**, the language switches.

NOTE

- Switchable languages differ depending on the broadcast.
- If the language selected through language setting is available when the channel or program is changed, you hear that language.
- If you are watching a digital TV program without sound or without language information, "N/A" appears on the screen. If a language other than English, French, or Spanish is selected, "Others" appears on the screen.

Setting MTS/SAP mode

When watching conventional TV programs, use the Multi-channel Television Sound (MTS) function to enjoy stereo sound and/or Secondary Audio Programs (SAP).

- **Stereo broadcasts**

  Sports, shows, and concerts can be shown with dynamic stereo sound.

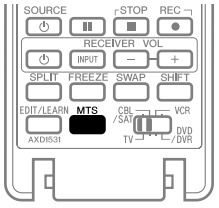
- **SAP broadcasts**

  MAIN sound: The normal program soundtrack (either in mono or stereo).

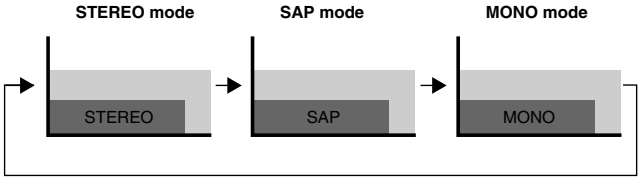
  SAP sound: Listen to a second language, supplementary commentary and other information. (SAP is mono sound.)

NOTE

- Conventional TV channels: TV channels received through the conventional VHF/UHF frequencies or conventional cable TV channels
- When stereo sound is difficult to hear, manually switch to MONO for clearer sound.
- Once MONO is selected, the Plasma Display sound remains mono even if the system receives a stereo broadcast. You must reselect STEREO to hear stereo sound again.
- Selecting MTS while the source is from an INPUT (1 to 6) or a PC does not change the type of sound. The video source determines the type of sound.



Press **MTS** to cycle through the types of sound.



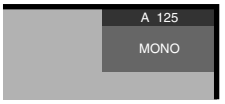
NOTE

- The **MTS** button is disabled while the TV Guide On Screen™ system is displayed.
- In each of the sound types, the display changes according to the broadcast signals.

When receiving STEREO sound signals

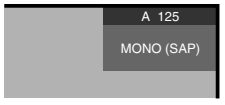
In STEREO mode

In SAP mode

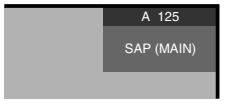


In MONO mode

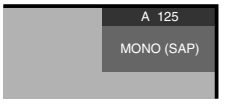
When receiving MONO + SAP sound signals



In STEREO mode



In SAP mode

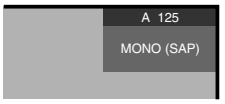


In MONO mode

When receiving STEREO + SAP sound signals

In STEREO mode

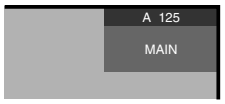
In SAP mode



In MONO mode

When receiving MONO sound signals

In STEREO mode

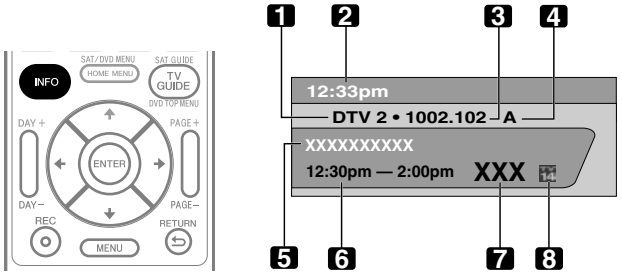


In SAP mode

In MONO mode

Viewing a channel banner

While watching a TV program, pressing **INFO** causes a banner to appear. Pressing **INFO** again causes the banner to disappear.



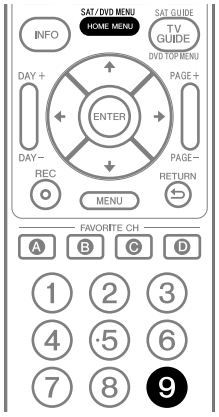
1 Station name
2 Current time
3 Channel number
4 Input (Ant. A or Ant. B)
5 Program title
6 Program time schedule
7 Channel logo
8 TV rating name or icon

NOTE

- The above information is not displayed unless included in broadcast signals.
- If you do not activate the TV Guide On Screen™ system, the channel banner may not display certain types of program information.

Using the POD service

If you watch digital and/or High Definition TV channels over cable, you can use the POD service provided by the cable TV company. This service presents various types of useful information, using Internet-style text.



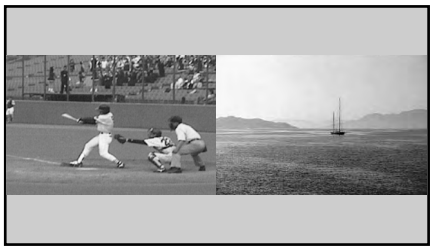
Press **HOME MENU**, **9**, **9**, then **9** to view the POD display.

Using the multiscreen functions

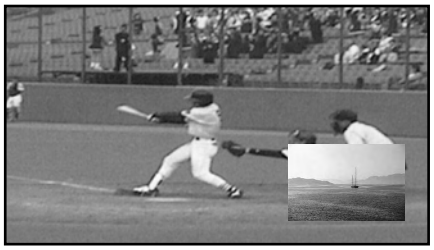
Splitting the screen

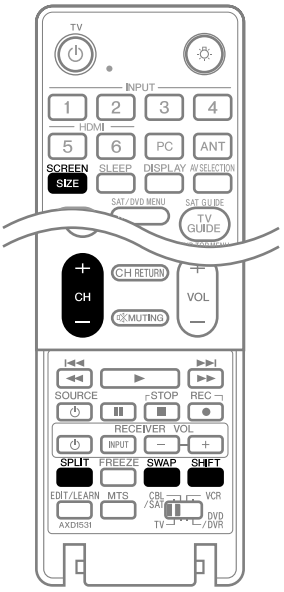
Use the following procedure to select the 2-screen or picture-in-picture mode.

2-screen



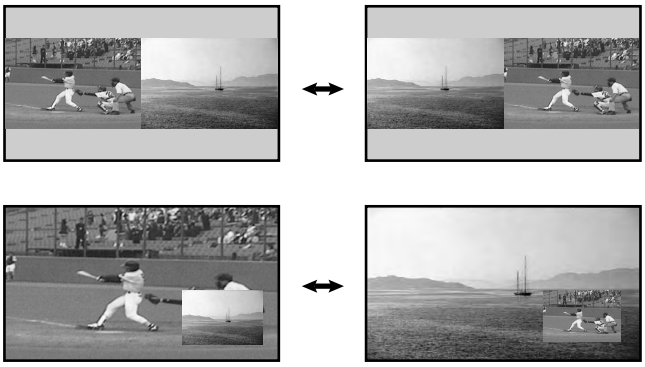
Picture-in-picture



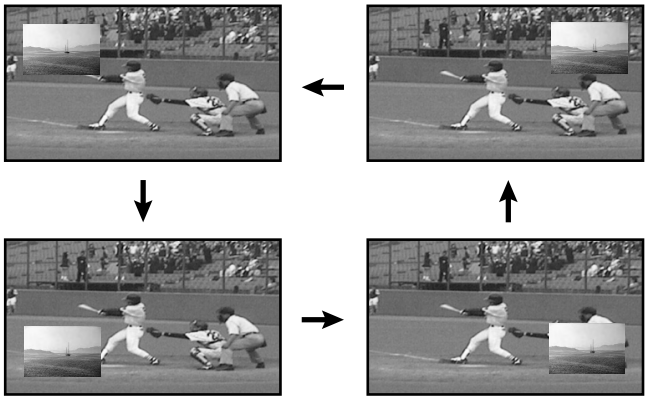


1 Press **SPLIT** to select the display mode.
- Press **SPLIT** to cycle through the display options: 2-screen, picture-in-picture, and single-screen.

- In 2-screen or picture-in-picture mode, press **SWAP** to switch the position of the 2 screens.
  The active screen (left side) is indicated by a "♪" symbol. The active screen's picture and sound can be adjusted.



- In 2-screen mode, press **SCREEN SIZE** to change the size of the left screen.
- In picture-in-picture mode, press **SHIFT** to move the position of the small screen counter-clockwise.



2 To select an input source, press the appropriate input source button.

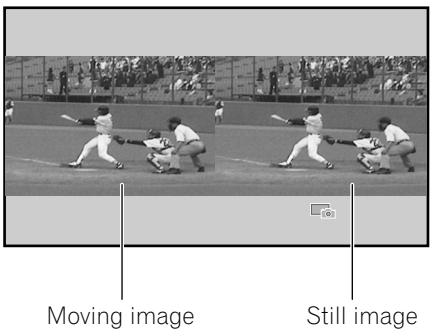
- If watching conventional TV, press **CH +/–** to change the channel.

NOTE

- The **SPLIT** button is disabled while the TV Guide On Screen™ system is displayed.
- The multiscreen function cannot display images from the same input source or two external input sources at the same time. Attempting to do so causes a warning message to appear.
- Press **HOME MENU** to return to single-screen viewing. The corresponding menu appears.
- When the two screens show the same analog broadcasting coming through antenna A and B, the picture quality may differ between the two screens.
- If you select 1920×1080p@24 Hz for the main screen in the SPLIT mode, video images may not display properly.
- Displaying pictures in multi-screen mode for an extended period may cause an after-image.

Freezing images

Use the following procedure to capture and freeze one frame.



1 Press **FREEZE**.

A still image appears on the right screen while action continues on the left screen.

2 Press **FREEZE** again to cancel the function.

NOTE

- Freeze is not available when watching in Split Screen.
- If this function is not available, a warning message appears.
- Unless another action is taken, FREEZE automatically cancels after five minutes.
- Displaying pictures in FREEZE mode for an extended period may cause an after-image.

About the TV Guide On Screen™ system

The TV Guide On Screen™ system is a free, interactive on-screen television program guide. The system offers program listings, searching by keyword, timer recording, reminders and more. The TV Guide On Screen™ system is a convenient way to find out what's on right now or during the coming week. Listings can be arranged by channel or by genre. It also allows you to automatically set your viewing and recording selections quickly and easily.

Before you can use the TV Guide On Screen™ system, you'll need to set it up.

Legal Notices

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NOTE

- The TV Guide On Screen™ interactive program guide provides listings for cable-ready and digital cable services as well as conventional broadcasts. It does not provide listings for satellite services.
- Depending on the current settings and selected items, the setup screen order may differ from the one given in this manual. Follow the instructions shown on your panel's screen.
- TV Guide may not be available in all areas. As content providers move to digital programming and broadcasting, TV Guide data may be unavailable or become unavailable.

Setting up the TV Guide On Screen™ system

When the Plasma Display is powered On for the first time, you are automatically taken through the setup process. Once the panel's setup is complete, the TV Guide On Screen™ setup Welcome Screen appears. Access the TV Guide On Screen™ setup menu from the initial Setup reminder screens, or by pressing TV GUIDE for the first time.

NOTE

- Once you set up the TV Guide On Screen™ system it may take up to 24 hours for TV program listings to appear. Initially, all eight days of listings may take up to one week to load (see Screen 7).

Welcome Screen

Panel setup includes the TV Guide On Screen™ Welcome screen.

Or press **TV GUIDE** to begin setup.

- The Welcome Screen lists features in the Guide.
- Press **ENTER** to display Screen 1.

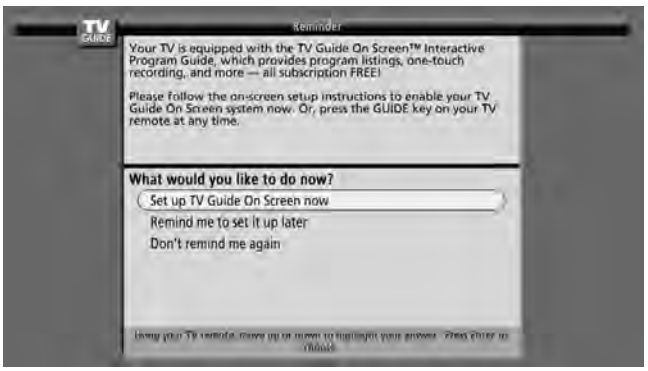
Welcome to the TV Guide On Screen System!
Key Features:
• Subscription-free listings for your cable or broadcast service
• Category sort to quickly find movies, sports, high-definition shows and more
• Keyword search
• One-touch recording
• Reminders to mark your favorite shows
• And much more!
Finding Out What's On TV Has Never Been Easier...
Press the Enter key on your TV remote to begin setup.

Reminder Screen

If you previously skipped TV Guide setup, the Reminder Screen appears when you power On the panel.

To make a selection, press ▲/▼ to highlight an option then press **ENTER**.

- "Set up TV Guide On Screen now" displays the first setup screen.
- "Remind me to set it up later" returns you to watching TV.
- "Don't remind me again" returns you to watching TV and stops the reminder screen from appearing upon power On.


Reminder
Your TV is equipped with the TV Guide On Screen™ Interactive Program Guide, which provides program listings, one-touch recording, and more — all subscription FREE!
Please follow the on-screen setup instructions to enable your TV Guide On Screen system now. Or, press the GUIDE key on your TV remote at any time.
What would you like to do now?
Set up TV Guide On Screen now
Remind me to set it up later
Don't remind me again

NOTE

- If you decide not to set up the Guide immediately, this reminder screen appears each time you power On the panel unless "Don't remind me again" is selected.

System Setup Screens

NOTE

- Once you start the setup procedure, you cannot return to the previous screens. If you realize you entered incorrect information, continue with setup. The last screen of the procedure gives you the opportunity to correct any mistakes before you exit TV Guide On Screen™ setup.

Screen 1: Country

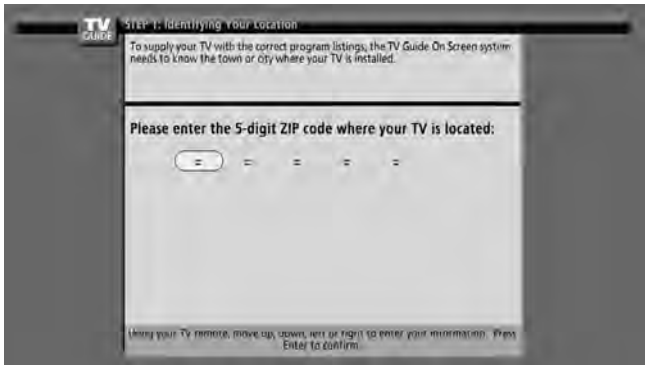
- This screen asks for the location of your panel.
- Press ▲/▼ to highlight a country.
- Press **ENTER** to display Screen 2.

Step 1: Identifying Your Location
To supply your TV with correct program listings, the TV Guide On Screen system needs to know your TV's location.
Which country is your TV located in?
USA
Canada

Screen 2: Enter ZIP or Postal Code

- If you selected USA in Screen 1, you see the ZIP Code screen.
- Input ZIP Code.

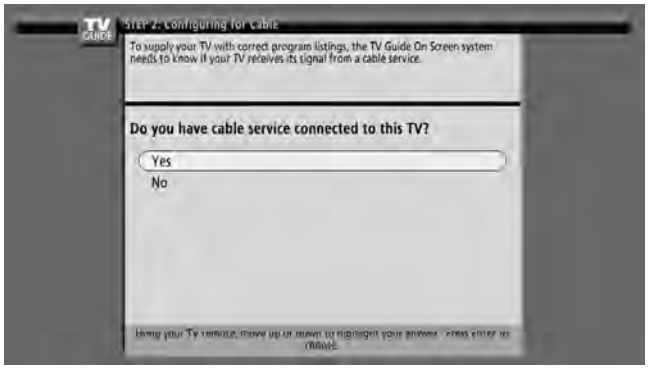
  Press the number keys or use ▲/▼ to display a number then ◄/► to move to another field.
- Press **ENTER** to display Screen 3.



- If you selected Canada in Screen 1, you see the Postal Code screen.
- Input Postal Code by pressing ▲/▼ to display a character or number then ◄/► to move to another field.
- Press **ENTER** to display Screen 3.

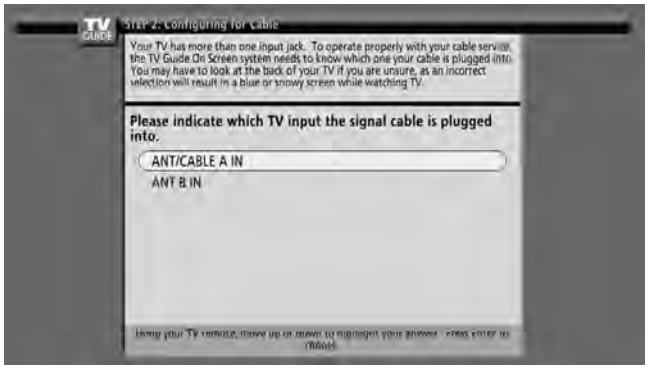
Screen 3: Do you have Cable?

- If you select "Yes", you see Screen 4.
- If you select "No", you see Screen 5.



Screen 4: Which input terminal is the system plugged into?

- Select "ANT/CABLE A IN" or "ANT B IN" (automatically advances to Screen 5 after the selection)

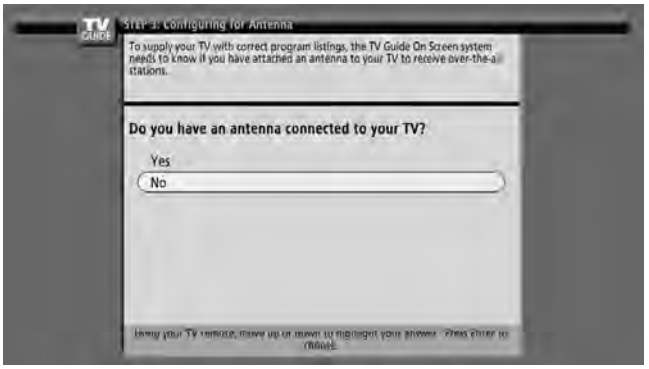


Screen 5: Do you have an antenna connected?

- If you select "Yes", you see Screen 6. (Depending on your setup configuration, you may see an additional screen. After that screen, you see Screen 6.)
- If you select "No", you see Screen 6.

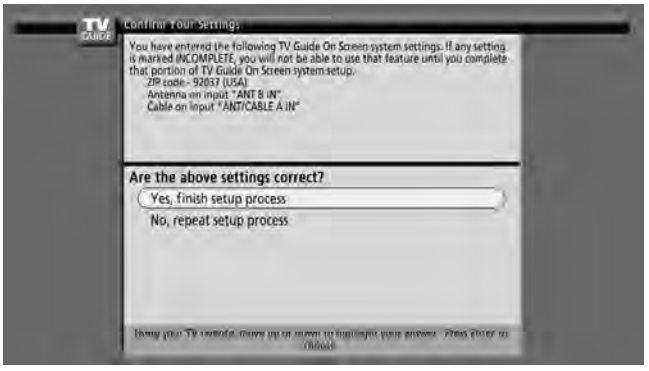
NOTE

- If you selected "No" in Screen 3 then you must select "Yes" in this screen to receive a channel lineup and listings.



Screen 6: Are the settings correct?

- If you select "Yes", you see Screen 7.
- If you select "No", you see Screen 1.

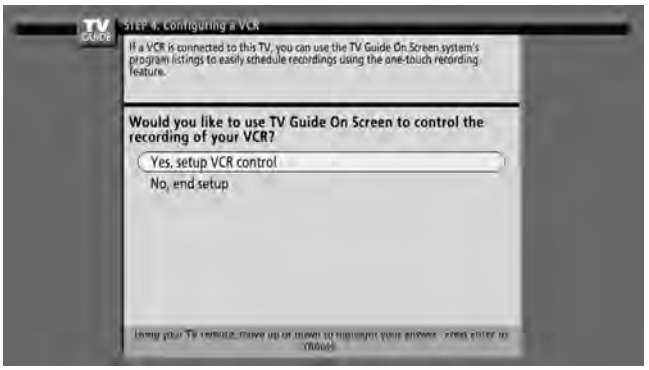


Screen 7: Congratulations

- Press **ENTER** to display Screen 8.

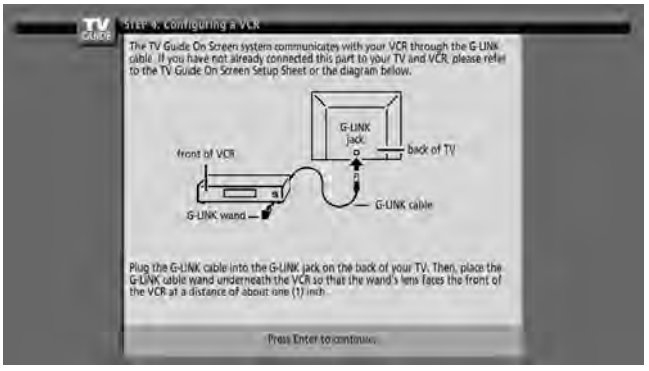
Screen 8: Is a VCR Connected?

- If you select “Yes”, you see Screen 9.
- If you select “No”, you see Screen 14.


STEP 4: Configuring a VCR
If a VCR is connected to this TV, you can use the TV Guide On Screen system's program listings to easily schedule recordings using the one-touch recording feature.
Would you like to use TV Guide On Screen to control the recording of your VCR?
Yes, setup VCR control
No, end setup

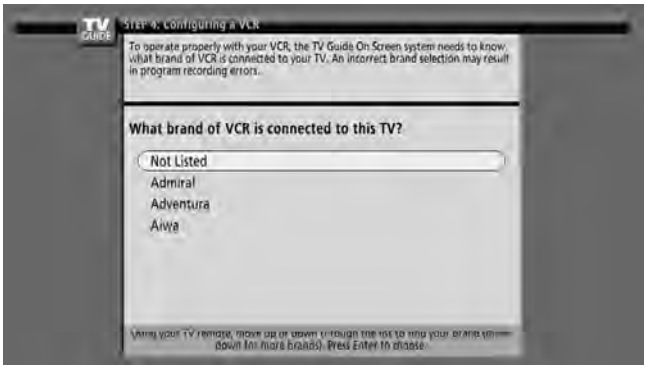
Screen 9: VCR Configuration Diagram

- This screen shows the correct way to install the G-LINK cable from the back of the device to the recording device. **Make sure the G-LINK cable is properly installed.**
- Press **ENTER** to advance to Screen 10.


STEP 4: Configuring a VCR
The TV Guide On Screen system communicates with your VCR through the G-LINK cable. If you have not already connected this part to your TV and VCR, please refer to the TV Guide On Screen Setup Sheet or the diagram below.
G-LINK jack
front of VCR
back of TV
G-LINK cable
G-LINK wand
Plug the G-LINK cable into the G-LINK jack on the back of your TV. Then, place the G-LINK cable wand underneath the VCR so that the wand's lens faces the front of the VCR at a distance of about one (1) inch.
Press Enter to continue.

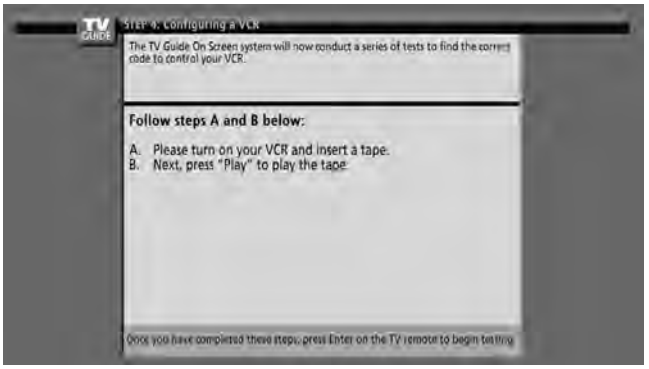
Screen 10: VCR Brand Name

- Press ▲/▼ to select the brand of the recording device.
- Press **ENTER** to advance to Screen 11.


STEP 4: Configuring a VCR
To operate properly with your VCR, the TV Guide On Screen system needs to know what brand of VCR is connected to your TV. An incorrect brand selection may result in program recording errors.
What brand of VCR is connected to this TV?
Not Listed
Admiral
Adventura
Aiwa

Screen 11: VCR Preparation

- Follow the on-screen instructions then press **ENTER** to display Screen 12.


STEP 4: Configuring a VCR
The TV Guide On Screen system will now conduct a series of tests to find the correct code to control your VCR.
Follow steps A and B below:
A. Please turn on your VCR and insert a tape.
B. Next, press "Play" to play the tape.
Once you have completed these steps, press Enter on the TV remote to begin testing.

Screen 12: VCR Code Testing

- When testing is done, Screen 13 displays automatically.

STEP 4: Configuring a VCR
Code testing in progress... please do not press any keys on any remote control.
Now testing code 002 (Pioneer)...

Screen 13: Did your VCR stop playing?

STEP 4: Configuring a VCR
Testing complete.
If your VCR stopped playing the tape, the test was successful.
Did your VCR stop playing?
Yes
No
Test this code again

- If you select “Yes”, you see Screen 14.
- If you select “No”, a different code is tested from Screen 12.

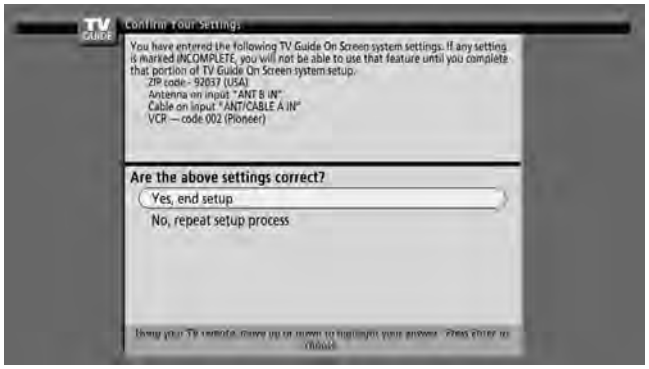
NOTE

- Many VCRs require testing of more than one code to ensure proper operation with the TV Guide On Screen™ system. If you select “Test this code again”, the same code from Screen 12 is sent again.

Screen 14: Confirming Your Settings

Verify that the Setup information is correct.

- If it is, select “Yes, end setup” to advance to Screen 15.
- If it is not, select “No, repeat setup process”, to return to Screen 1.


TV GUIDE
Confirm Your Settings
You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use that feature until you complete that portion of TV Guide On Screen system setup.
ZIP code - 92037 (USA)
Antenna on input "ANT B IN"
Cable on input "ANT/CABLE A IN"
VCR — code 002 (Pioneer)
Are the above settings correct?
Yes, end setup
No, repeat setup process

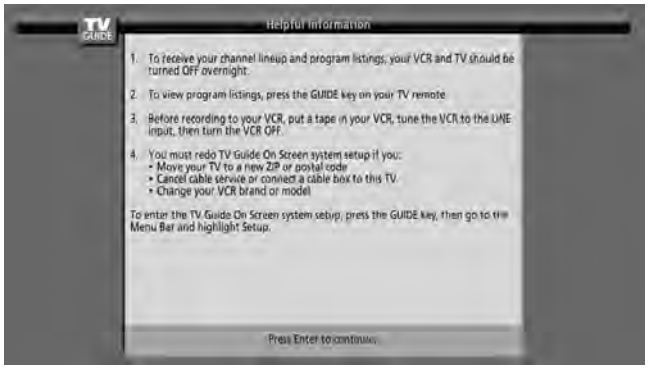
Screen 15: Congratulations

- You have successfully completed Setup!
- Press **ENTER** to advance to Screen 16.

TV GUIDE
Congratulations!
You have completed the setup of your TV Guide On Screen system. Up-to-date listings will begin loading over the next 24 hours when your TV is powered off.
It may take more than one day for all eight days of listings to update. During this period feel free to use your TV. The guide will automatically receive updates during the period when your TV is turned off.
If you have changed the location or cable configuration settings, you will receive any changes to your local channel lineup within 24 hours.
Press Enter to continue.

Screen 16: Helpful Information

- This screen provides valuable information on using the TV Guide.
- Press **ENTER** to watch TV.


TV GUIDE
Helpful Information
1. To receive your channel lineup and program listings, your VCR and TV should be turned OFF overnight.
2. To view program listings, press the GUIDE key on your TV remote.
3. Before recording to your VCR, put a tape in your VCR, tune the VCR to the LINE input, then turn the VCR OFF.
4. You must redo TV Guide On Screen system setup if you:
• Move your TV to a new ZIP or postal code
• Cancel cable service or connect a cable box to this TV
• Change your VCR brand or model
To enter the TV Guide On Screen system setup, press the GUIDE key, then go to the Menu Bar and highlight Setup.
Press Enter to continue.

Menu Configuration

AV mode menus

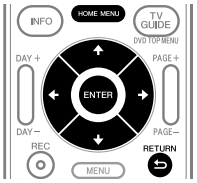
Home Menu	Item	Page
Picture	AV Selection	57
	Contrast	58
	Brightness	58
	Color	58
	Tint	58
	Sharpness	58
	Pro Adjust	58
	Reset	58
Sound	Treble	62
	Bass	62
	Balance	62
	Reset	62
	FOCUS	63
	Front Surround	63
Power Control	Energy Save	63
	No Signal off	63
	No Operation off	64
Sleep Timer	———	57
Option	Position	64
	Auto Size	66
	4:3 Mode	66
	Side Mask	67
	HDMI Input	69
	Monitor Out	70, 71
	Digital Audio Out	72
	Language	67
Tuner Setup	Parental Control	38 – 42
	Favorites	43
	Channel Setup	37
	Closed Captions	43 – 44
	Clock	44
Home Media Gallery	———	75 – 91

PC mode menus

Home Menu	Item	Page
Picture	AV Selection	57
	Contrast	58
	Brightness	58
	Red	58
	Green	58
	Blue	58
	Reset	58
Sound	Treble	62
	Bass	62
	Balance	62
	Reset	62
	FOCUS	63
	Front Surround	63
Power Control	Energy Save	63
	Power Management	64
Sleep Timer	———	57
Option	Auto Setup	64
	Manual Setup	65
Home Media Gallery	———	75 – 91

Menu operations

The following describes the typical procedure for setting up the menus. For the actual procedures, see the appropriate pages that describe individual functions.



1. Press **HOME MENU**.
2. Press ↑/↓ (scroll) to select a menu item then press **ENTER**.
3. Scroll down to the desired submenu item.
   - The number of menu layers differs depending on the menu items.
   - If you select "Tuner Setup", a menu bar appears at the bottom of the screen. To select a submenu item on the bar, press ←/→ instead of ↑/↓.
4. Press ←/→ to select an option (or parameter) then press **ENTER**.
   - For some menu items, press ↑/↓ instead of ←/→.
5. Press **HOME MENU** to exit the menu.

NOTE

- To return to the upper menu levels, press **RETURN**.

Setting up TV channels

This section describes how to search and set up TV channels. Unless you set up TV channels using Auto Channel Preset, you may not be able to tune in all available channels.

Using Auto Channel Preset

Auto Channel Preset automatically searches and sets up TV channels. Press **ENTER** after each selection.

1 Press **HOME MENU**.

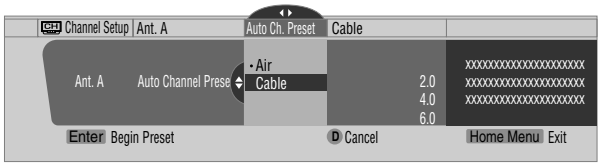
2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Channel Setup". (←/→ then **ENTER**)

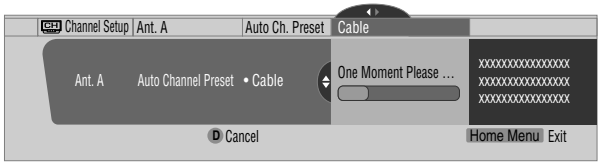
4 Select "Ant. A" or "Ant. B". (↑/↓ then **ENTER**)

5 Select "Auto Channel Preset". (↑/↓ then **ENTER**)

6 Select "Air" or "Cable". (↑/↓ then **ENTER**)



- Channel search automatically starts.



- To quit Auto Channel Preset, press **D**.

7 After Auto Channel Preset finishes, press **HOME MENU** to exit the menu.

NOTE

- When using the Cable Converter, you may need to manually add Cable Converter output channels.
- When a CableCARD is functioning, select "Ant.B" in step 4 to run Auto Channel Preset.

Setting for skipping unwanted channels

From among TV channels added using Auto Channel Preset, you can select channels to be skipped using **CH+/-**. Press **ENTER** after each selection.

1 Press **HOME MENU**.

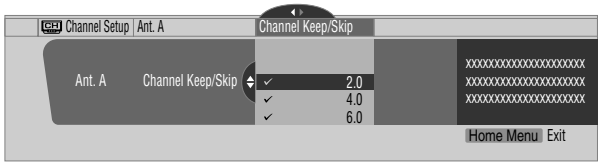
2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Channel Setup". (←/→ then **ENTER**)

4 Select "Ant. A" or "Ant. B". (↑/↓ then **ENTER**)

5 Select "Channel Keep/Skip". (↑/↓ then **ENTER**)

6 Select a channel to be skipped. (↑/↓ then **ENTER**)



- The check mark next to the channel disappears.

7 Press **HOME MENU** to exit the menu.

NOTE

- To restore skipped channels, use the above procedure but select (add a check mark) a channel in step 6.
- When using the Cable Converter, you may need to manually add Cable Converter output channels. Press **ENTER** after each selection.

Setting up TV channels manually

This section describes how to manually set up TV channels that have not been set up by Auto Channel Preset. Press **ENTER** after each selection.

1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

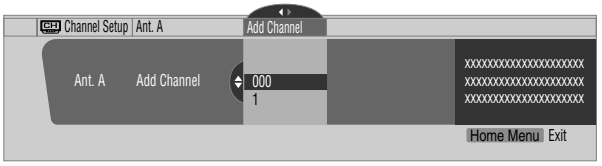
3 Select "Channel Setup". (←/→ then **ENTER**)

4 Select "Ant. A" or "Ant. B". (↑/↓ then **ENTER**)

5 Select "Add Channel". (↑/↓ then **ENTER**)

6 Select a channel number to be added. (↑/↓ then **ENTER**)

- You can also use buttons **0 – 9** to enter a channel number.



- A confirmation screen appears after **ENTER** is pressed.

7 Press **A** to complete the setup process.

8 Press **HOME MENU** to exit the menu.

NOTE

- To include analog channels, manually add these channels. Digital channels cannot be added manually.

Checking signal strength

When you have selected antenna A, check the current channel's signal strength. Also, use this function when receiving a channel through a VHF/UHF antenna. Press **ENTER** after each selection.

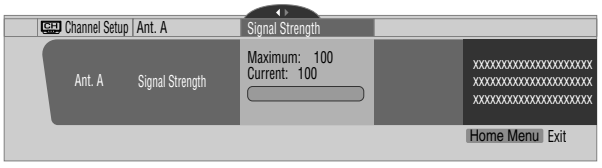
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Channel Setup". (←/→ then **ENTER**)

4 Select "Ant. A". (↑/↓ then **ENTER**)

5 Select "Signal Strength". (↑/↓ then **ENTER**)



- Adjust the antenna direction to maximize the signal strength.

6 Press **HOME MENU** to exit the menu.

NOTE

- This function is available only when receiving digital broadcasting signals.
- When you use the TV Guide On Screen™ system with a cable service, select "Cable" for "Auto Channel Preset".
- Executing more than one scan for cables can cause broadcast reception to fail.

Checking the CableCARD ID

The Plasma Display has a slot for a CableCARD that is used for managing your information by the cable TV company. The CableCARD slot is located on the rear of the Plasma Display. To check your CableCARD ID and the Host ID, follow these steps.

1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Channel Setup". (←/→ then **ENTER**)

4 Select "POD ID". (↑/↓)
- The Host ID and CableCARD ID appear.

5 Press **HOME MENU** to exit the menu.

Parental Control

With the Parental Control, adults can prevent younger audiences from watching inappropriate TV programs, VCR tapes or DVD contents. When an attempt is made to watch a blocked program (or content), the Plasma Display shows a message over a black screen. The Parental Control applies to both conventional and digital TV channels.

There are three rating systems in the United States: the TV ratings, TV Parental Guidelines, and movie ratings. Movie ratings are provided by the Motion Picture Association of America (MPAA) and are used for original movies not edited for television.

For the rating system in Canada, see page 40.

NOTE

- In the U.S. TV Parental Guideline Rating System, programs with a rating of "None" may be blocked on this product. Examples of programs with a "None" rating include:
  - Emergency Bulletins (such as EAS messages, weather warning and others)
  - Locally originated programming
  - News
  - Political
  - Public Service Announcements
  - Religious
  - Sports
  - Weather
- No Parental Control settings can be entered for INPUT 5 and INPUT 6.

Voluntary movie rating system (MPAA)

	Rating	Description
Age-Base	N/A	Not applicable for MPAA ratings
	G	General audiences. All ages admitted.
	PG	Parental guidance suggested. Some material may not be suitable for children.
	PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
	R	Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).
	NC-17	No one 17 and under admitted.
	NR	Not rated.

NOTE

- The voluntary movie rating system uses an age-based rating.

TV ratings

	Rating	Description
Age-Base	TV-Y	All children
	TV-Y7	Children 7 and above
	TV-G	General audiences
	TV-PG	Parental guidance suggested
	TV-14	Parents strongly cautioned
	TV-MA	Mature audiences only

NOTE

- The system also allows you to select "None", which blocks programs with a rating of "None".

Changing the password

Using a password prevents others from changing Parental Control settings. The 4-digit password is 1234. Use the following procedure to change the password.

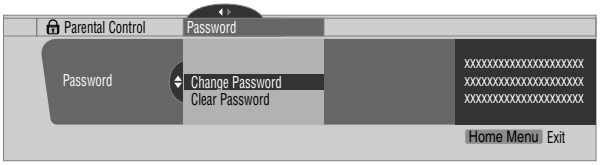
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "Password". (↑/↓ then **ENTER**)

5 Select "Change Password". (↑/↓ then **ENTER**)



6 Enter the current 4-digit password, using the number buttons.

7 Enter a 4-digit password to be newly set, using the number buttons.

8 When prompted, enter the same password again.
- A confirmation screen appears.

9 Press **A**.

10 Press **HOME MENU** to exit the menu.

NOTE

- Write down the password and keep it somewhere safe.

Clearing the password

Use the following procedure to clear the password.

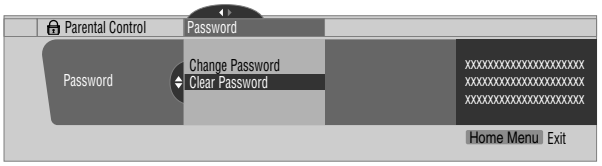
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "Password". (↑/↓ then **ENTER**)

5 Select "Clear Password". (↑/↓ then **ENTER**)



6 Enter the current 4-digit password, using the number buttons.

- A confirmation screen appears.

7 Press **A**.

8 Press **HOME MENU** to exit the menu.

NOTE

- The above procedure resets the password to the factory default (1234).

Activating the Parental Control

1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "Status". (↑/↓ then **ENTER**)

5 Select "On". (↑/↓ then **ENTER**)

- The password entry screen appears.

6 Enter your 4-digit password using the number buttons.

7 Press **HOME MENU** to exit the menu.

Setting the voluntary movie rating system (MPAA)

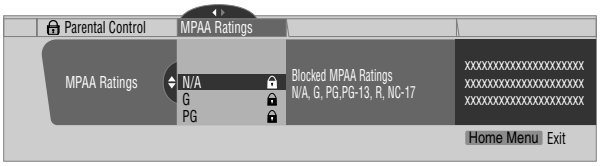
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "MPAA Ratings". (↑/↓ then **ENTER**)

5 Select the desired rating and change the setting. (↑/↓ then **ENTER**)



- The password entry screen appears.

6 Enter your 4-digit password using the number buttons.

- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- The Plasma Display ships with all ratings unblocked.

7 Press **HOME MENU** to exit the menu.

NOTE

- Blocking a rating causes more severe ratings to be automatically blocked as well. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting the TV ratings

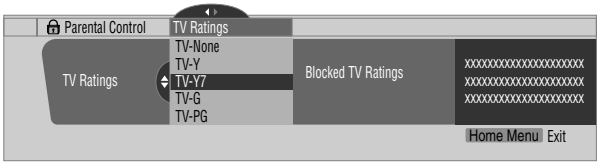
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "TV Ratings". (↑/↓ then **ENTER**)

5 Select the desired rating and change the setting. (↑/↓ then **ENTER**)



- The password entry screen appears.

6 Enter your 4-digit password using the number buttons.

- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- The Plasma Display ships with all ratings unblocked.

7 Press **HOME MENU** to exit the menu.

We suggest you write down your password and keep in a safe place.

PRO-1540HD/PRO-1140HD/PRO-940HD
Your password No.:

☐ ☐ ☐ ☐

If you forget the password

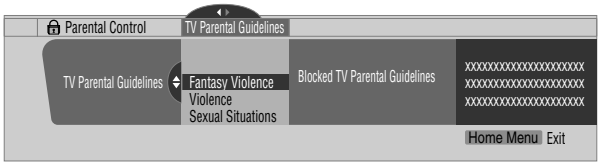
When the message "Enter your Password" is displayed in step 6 under "Clearing the password", press the **ENTER** button on the remote control unit and hold it down for 3 seconds or longer. The password reverts to "1234".

NOTE

- Blocking a rating causes more severe ratings to be automatically blocked. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting the TV Parental Guidelines (TV Guidelines)

1. Press **HOME MENU**.
2. Select "Tuner Setup". (↑/↓ then **ENTER**)
3. Select "Parental Control". (←/→ then **ENTER**)
4. Select "TV Parental Guidelines". (↑/↓ then **ENTER**)
5. Select the desired rating and change the setting. (↑/↓ then **ENTER**)



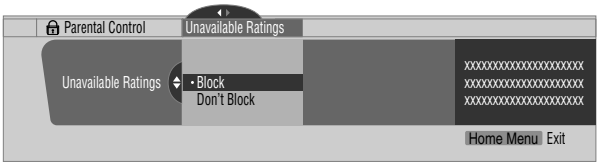
- The password entry screen appears.

6. Enter your 4-digit password using the number buttons.
   - Each time you press **ENTER**, the setting is switched.
   - A lock icon appears beside the blocked rating.
   - The Plasma Display ships with all ratings unblocked.
7. Press **HOME MENU** to exit the menu.

Blocking Not Rated TV programs

Use the following procedure to block TV programs whose rating information is unavailable.

1. Press **HOME MENU**.
2. Select "Tuner Setup". (↑/↓ then **ENTER**)
3. Select "Parental Control". (←/→ then **ENTER**)
4. Select "Unavailable Ratings". (↑/↓ then **ENTER**)
5. Select "Block" or "Don't Block". (↑/↓ then **ENTER**)



- The password entry screen appears.

6. Enter your 4-digit password using the number buttons.
   - The Plasma Display ships with all ratings unblocked.
7. Press **HOME MENU** to exit the menu.

Canadian rating systems

Choose either the Canadian English ratings or the Canadian French ratings. These ratings are based on the Canadian Radio-Television and Telecommunications Commission (CRTC) policy.

Canadian English ratings

	Rating	Description
Age-Base	**E**	Exempt: Includes news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.
	C	Children: Intended for younger children under the age of 8 years. Pays careful attention to themes that could threaten their sense of security and well-being.
	C8+	Children over 8 years old: Contains no portrayal of violence as the preferred, acceptable, or only way to resolve conflict; nor encourages children to imitate dangerous acts which they may see on the screen.
	G	General: Considered acceptable for all age groups. Appropriate viewing for the entire family, contains very little violence, physical, verbal or emotional.
	PG	Parental Guidance: Intended for a general audience, but may not be suitable for younger children (under the age of 8) because it could contain controversial themes or issues.
	14+	Over 14 Years: Could contain themes where violence is one of the dominant elements of the storyline, but it must be integral to the development of plot or character. Language usage could be profane and nudity present within the context of the theme.
	18+	Adults: Intended for viewers 18 years and older and might contain depictions of violence, which while related to the development of plot, character or themes, are intended for adult viewing. Could contain graphic language and portrayals of sex and nudity.

Canadian French ratings

	Rating	Description
Age-Base	E	Exempt programming.
	G	General: All ages and children, contains minimal direct violence, but may be integrated into the plot in a humorous or unrealistic manner.
	8ans+	General but inadvisable for young children: May be viewed by a wide public audience, but could contain scenes disturbing to children under eight who cannot distinguish between imaginary and real situations. Recommended for viewing with parent.
	13ans+	Over 13 years: Could contain scenes of frequent violent scenes and therefore recommended for viewing with parent.
	16ans+	Over 16 years: Could contain frequent violent scenes and intense violence.
	18ans+	Over 18 years: Only for adult viewing. Could contain frequent violent scenes and extreme violence.

Setting Canadian English ratings

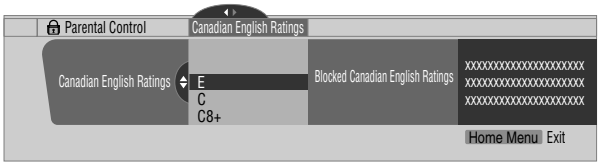
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "Canadian English Ratings". (↑/↓ then **ENTER**)

5 Select then change to the desired rating. (↑/↓ then **ENTER**)



- The password entry screen appears.

6 Enter your 4-digit password using the number buttons.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- The Plasma Display ships with all ratings unblocked.

7 Press **HOME MENU** to exit the menu.

NOTE

- Blocking a rating causes more severe ratings to be automatically blocked. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

Setting Canadian French ratings

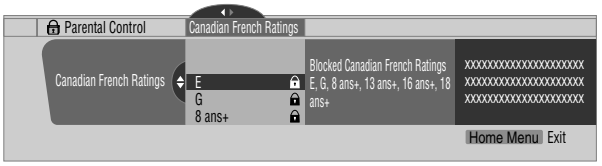
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)

4 Select "Canadian French Ratings". (↑/↓ then **ENTER**)

5 Select the desired rating and change the setting. (↑/↓ then **ENTER**)



- The password entry screen appears.

6 Enter your 4-digit password using the number buttons.
- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- The Plasma Display ships with all ratings unblocked.

7 Press **HOME MENU** to exit the menu.

NOTE

- Blocking a rating causes more severe ratings to be automatically blocked. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

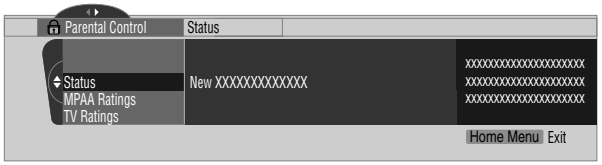
Setting new ratings

Digital broadcasts now carry new ratings that are not compatible with the Plasma Display Panel's original Parental Control settings. When you first tune in one of these broadcasts, a New Parental Control menu appears on the screen. This tells you that you must now change your Parental Control settings to handle these new ratings. Otherwise, previously blocked ratings may become unblocked.

1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Parental Control". (←/→ then **ENTER**)



- The new menu is displayed when Status is selected. The message "Regional ratings have changed. Set Parental Control ratings again." appears on the right of the screen.

4 Select and change the desired rating. (↑/↓ then **ENTER**)

- The menu appears between “Unavailable Ratings” and “Password”.
- The password entry screen appears.

5 Enter your 4-digit password using the number buttons.

- Each time you press **ENTER**, the setting is switched.
- A lock icon appears beside the blocked rating.
- When you are finished, the word “New” disappears from the Parental Control menu.

6 Press **HOME MENU** to exit the menu.

Deleting new ratings

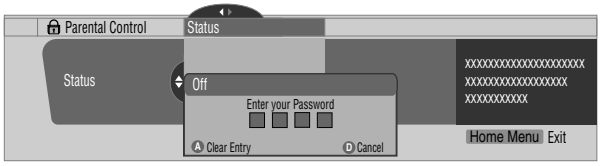
You can delete a New Parental Control menu. When the menu is deleted, all blocks are removed.

1 Press **HOME MENU**.

2 Select “Tuner Setup”. (↑/↓ then **ENTER**)

3 Select “Parental Control”. (←/→ then **ENTER**)

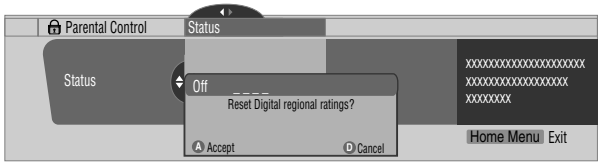
4 Select “Status” and then “Off”. (↑/↓ then **ENTER**)



- The password entry screen appears.

5 Enter your 4-digit password using the number buttons.

6 Select **A** for “Accept” or **D** for “Cancel”.



- The New Parental Control menu remains. However, if no settings are entered within 60 seconds, the selection screen for deleting new ratings disappears.

7 Press **HOME MENU** to exit the menu.

NOTE

- Broadcasts with new (arriving) ratings are not reflected while the Parental Control menu is open.
- Blocking a rating causes more severe ratings to be automatically blocked. Likewise, unblocking a rating causes less severe ratings to be automatically unblocked.

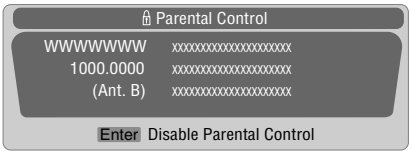
Temporarily deactivating the Parental Control

When the activated Parental Control senses a blocked TV program (or content), the Plasma Display shows a message over a blank screen.

The method for temporarily deactivating the Parental Control differs, depending on the selected input source.

Antenna A or antenna B:

The following screen appears. Press **ENTER**.

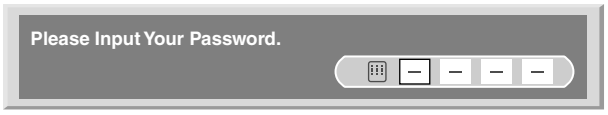


Enter your 4-digit password.

- The password entry screen appears for approximately 60 seconds. If the screen disappears prematurely, press **ENTER** to reveal the screen again.

Input 1 – 4:

Enter your 4-digit password. Pressing **ENTER** again causes the password entry screen to disappear.



- The above password entry screen also appears during 2-screen mode, picture-in-picture, and while freezing an image.
- The password entry screen appears for approximately 60 seconds. After the screen disappears, pressing **ENTER** causes it to appear again.

Setting your favorite channels

Set up to 10 TV channels for each of the four color buttons on the remote control (40 channels in total).

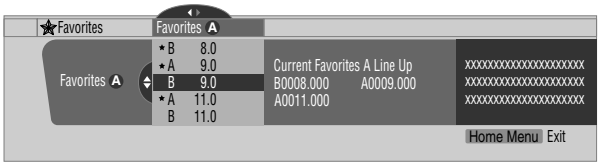
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Favorites". (←/→ then **ENTER**)

4 Select a color button (A, B, C, D). (↑/↓ then **ENTER**)

5 Select a TV channel to be registered. (↑/↓ then **ENTER**)



- A star appears beside the favorite channels currently selected.
- To register another TV channel under the same color button, repeat step 5. To register another TV channel under a different color button, repeat steps 4 and 5.

6 Press **HOME MENU** to exit the menu.

Setting up closed captions

Your Plasma Display System is equipped with an internal closed caption decoder. Closed caption allows you to view conversations, narration, and sound effects in TV programs and home videos as subtitles on your Plasma Display screen.

Many digital TV programs also offer closed captioning. Digital closed captions support changing parameters such as fonts and colors.

- Not all programs and videos offer closed caption. Please look for the "CC" symbol to check for closed captioning on a program or video.

Activating the closed caption

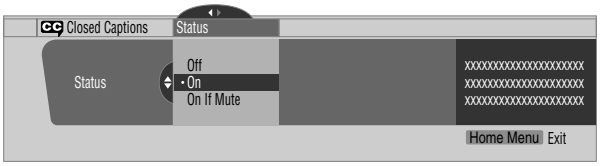
1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Closed Captions". (←/→ then **ENTER**)

4 Select "Status". (↑/↓ then **ENTER**)

5 Select "On" or "On If Mute". (↑/↓ then **ENTER**)



Item	Description
Off (factory default)	Does not show closed captions
On	Always shows closed captions
On If Mute	Shows closed captions only when sound is being muted

6 Press **HOME MENU** to exit the menu.

Selecting the type of conventional closed captions

Select a conventional TV channel before deciding on a type of closed captioning. Some digital TV programs provide only conventional closed captions.

- "CC1", "CC2", "CC3", or "CC4" displays subtitles of TV dramas and news programs while allowing a full view of the picture.
- "Text1", "Text2", "Text3", or "Text4" superimposes information over the picture (e.g. TV guide, weather) that is independent from the TV program in progress.

1 Press **HOME MENU**.

2 Select "Tuner Setup". (↑/↓ then **ENTER**)

3 Select "Closed Captions". (←/→ then **ENTER**)

4 Select "Analog Settings". (↑/↓ then **ENTER**)

5 Select the desired closed caption. (↑/↓ then **ENTER**)

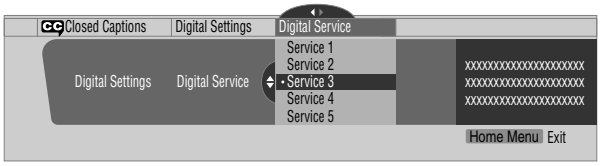
- The factory default is "CC1".

6 Press **HOME MENU** to exit the menu.

Selecting digital closed captions

Use the following procedure to select digital closed captions: Service 1 to 6.

1. Press **HOME MENU**.
2. Select "Tuner Setup". (↑/↓ then **ENTER**)
3. Select "Closed Captions". (←/→ then **ENTER**)
4. Select "Digital Settings". (↑/↓ then **ENTER**)
5. Select "Digital Service". (↑/↓ then **ENTER**)
6. Select the desired closed caption. (↑/↓ then **ENTER**)



- The factory default is "Service 1".

7. Press **HOME MENU** to exit the menu.

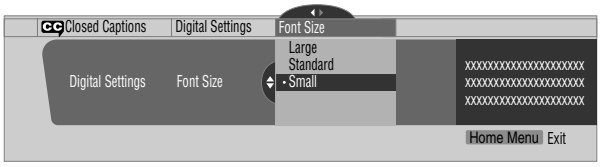
NOTE

- When available, the Primary Caption Service is usually offered for Service 1, and the Secondary Language Service is usually offered for Service 2.

Selecting digital closed caption parameters

Use the following procedure to change digital closed captions parameters such as font size, font type, foreground and background colors.

1. Press **HOME MENU**.
2. Select "Tuner Setup". (↑/↓ then **ENTER**)
3. Select "Closed Captions". (←/→ then **ENTER**)
4. Select "Digital Settings". (↑/↓ then **ENTER**)
5. Select "Font Size", "Font", or any other item. (↑/↓ then **ENTER**)
6. Select the desired parameter. (↑/↓ then **ENTER**)



7. Repeat steps 5 and 6 as necessary. (←, ↑/↓)
8. Press **HOME MENU** to exit the menu.

The following table shows the available parameters for each item.

Item	Selection
Font Size	**Auto**/ Large/ Standard/ Small
Font[1]	**Auto**/ Font 1/ Font 2/ Font 3/ Font 4/ Font 5/ Font 6/ Font 7
Font Color	**Auto**/ Black/ White/ Red/ Green/ Blue/ Yellow/ Magenta/ Cyan
Font Opacity	**Auto**/ Solid/ Transparent/ Translucent/Flashing
Background Color	**Auto**/ Black/ White/ Red/ Green/ Blue/ Yellow/ Magenta/ Cyan
Background Opacity	**Auto**/ Solid/ Transparent/ Translucent

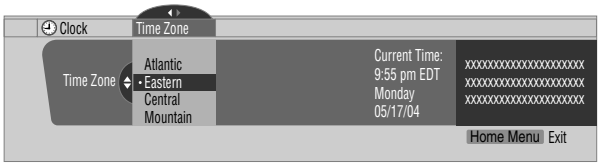
[1] Font 1 (monospaced with serifs)/ Font 2 (proportionally spaced with serifs)/ Font 3 (monospaced without serifs)/ Font 4 (proportionally spaced without serifs)/ Font 5 (casual font)/ Font 6 (cursive font)/ Font 7 (small capitals font)

With "Auto" selected, parameters specified by the provider are used. If not specified by the provider, the bolded default parameters are used. Selected parameters override any other parameters, including those from the provider.

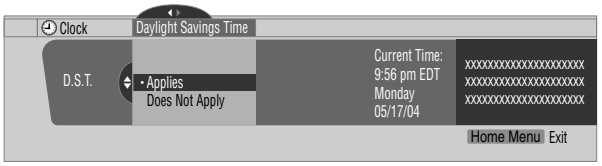
Clock Setting

With "Auto Set" selected for Clock Setting, the system acquires and sets the time automatically. You can also manually set the time. If power is lost (unplugged or power outage), the set time is cleared.

1. Press **HOME MENU**.
2. Select "Tuner Setup". (↑/↓ then **ENTER**)
3. Select "Clock". (←/→ then **ENTER**)
4. Select "Time Zone". (↑/↓ then **ENTER**)
5. Select a time zone for your area. (↑/↓ then **ENTER**)

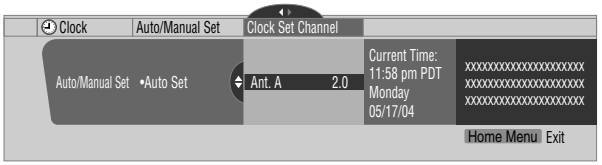


6. Select "D.S.T.". (←, ↑/↓, then **ENTER**)
7. Select "Applies" or "Does Not Apply". (↑/↓ then **ENTER**)
   - Set this option if your area uses Daylight Savings Time.



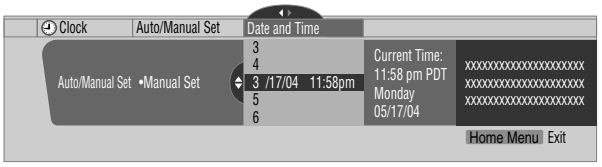
8. Select "Auto/Manual Set". (←, ↑/↓, then **ENTER**)
9. Select "Auto Set" or "Manual Set". (↑/↓ then **ENTER**)

10 If you chose “Auto Set”, select an antenna (A or B) and a channel number using ↑/↓ and **ENTER**.



- The date and time is corrected automatically using data from the selected channel.

If you select “Manual Set”, manually set the date and time using ↑/↓, ←/→ and **ENTER**.



11 Press **HOME MENU** to exit the menu.

NOTE

- If the TV Guide On Screen™ system is active, the Plasma Display accesses time through the TV Guide On Screen™ system. When the TV Guide is providing the time data, you cannot set up the clock using the menu. If you select a parameter for the Clock menu then press **ENTER**, the menu screen disappears and a dialog box appears. Press **A** to clear the dialog box.

Using the TV Guide On Screen™ system

Before you can use the TV Guide On Screen™ system, you'll need to set it up. If you haven't already done this, please turn to "TV Guide On Screen™ System Setup"on page 32 before proceeding.

In order to record TV programs with a VCR, you need to correctly connect the equipment to the Plasma Display. For VCR connection information, see page 71.

NOTE

- The TV Guide On Screen™ interactive program guide provides listings for cable-ready and digital cable services as well as conventional broadcast. It does not provide listings for satellite services.
- Once the TV Guide On Screen™ system is activated it may take up to 24 hours to begin receiving TV program listings. Initially, of all eight days of listings may take up to one week to load.
- TV Guide may not be available in all areas. As content providers move to digital programming and broadcasting, TV Guide data may be unavailable or become unavailable.

Screen components

Many of the screens have common elements to make using the system easier.

1 **TV GUIDE logo**
2 **Clock** – Shows the current time
3 **Time slot** – Half-hour time slots are displayed horizontally
4 **Time tab** – Indicates the currently selected time slot
5 **Current service label** – Indicates the currently selected service
6 **Service bar** – Gives access to the various TV Guide services.
7 **Title** – Shows the title of the TV program
8 **Info Bar** – Shows various icons to convey information or show the status of an item
9 **Video window** – Allows you to continue watching the current program while using the Guide
10 **Panel ads and panel menu entry** – Space for show or product advertising (and the panel menu)
11 **Channel logo**
12 **Info Box** – Shows information about the highlighted item
13 **Channel ads** – Space to advertise upcoming programs and specials

TV Guide On Screen™ icons

Various icons are used to convey information or show the status of an item. These icons can be on the Info Bar, inside the Info Box, or beside program titles.

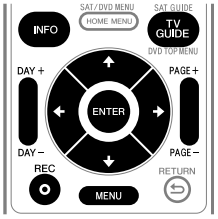
- **Info icon** – Alerts that additional information is available (press **INFO** to display)
- **Progress Bar** – Shows the elapsed time of the current program
- **HDTV** – Indicates that a program is a high-definition broadcast
- **New** – The program is new (not a repeat)
- **Stereo** – The program is broadcast in stereo
- **CC** – The program is broadcast with closed captioning
- **TV Rating** – Indicates the age rating for the program
- **Record Once** – One-time only recording
- **Record Daily** – Records the same channel and time every Monday through Friday (manual recording only)
- **Record Regularly** – Records the same program any day it airs on the same channel at the same time
- **Record Weekly** – Records a program every week at the same time/day
- **Record Suspend** – The program is set to record, but is suspended because of a conflict with another recording or auto tune reminder. The recording resumes when the conflict is cleared.
- **Record Off** – The program remains in the SCHEDULE list but is not recorded until the frequency is changed to one of the above
- **Remind Once** – One-time only reminder
- **Remind Daily** – Reminds for the same channel and time every Monday through Friday (manual reminder only)
- **Remind Regularly** – Reminds the same program any day it airs on the same channel at the same time
- **Remind Weekly** – Reminds every week at the same time/day
- **Remind Suspend** – A reminder is set for the program, but is suspended because of a conflict with another auto tune reminder or recording. The reminder resumes when the conflict is cleared.
- **Remind Off** – The program remains in the SCHEDULE list but the reminder is held until the frequency is changed to one of the above.

TV Guide On Screen™ navigation

The table below summarizes the TV Guide On Screen™ system navigation buttons for the remote control.

Key	What it does
TV GUIDE	Press to display the TV Guide On Screen™ system (also use to exit).
↑/↓/←/→	Use to navigate screens (highlight an item)
ENTER	Press to confirm a selection or execute an action Can also be used to display the panel menu when a future program is highlighted
MENU	Press to display a panel menu
INFO	Press to cycle through the available information for the current program or screen
● **REC**	Press to set the highlighted program to record
Number buttons	Use for numeric entry
PAGE +/–	Press to select the previous/next page of information (where applicable)
DAY +/–	Press to jump to the next/previous day of program listings (if applicable)

You can also use the panel's buttons, **TV GUIDE**, **ENTER**, **UP/DOWN**, and **LEFT/RIGHT** to make selections. The **UP/DOWN** and **LEFT/RIGHT** buttons operate the same as the ↑/↓ and ←/→ buttons on the remote control.



The Listings screen

The Listings screen is the main menu for the TV Guide On Screen™ system. This is the screen you see when you press **TV GUIDE**.

Options on the Listings screen include:

- View eight days of program listings.
- Display information about individual programs.
- Select a program to start watching.
- Set a reminder about a program.
- Set a program to record.
- See a thumbnail of any channel in the video window.
- Access panel and channel ads.

1 Press **TV GUIDE** to display the Listings screen.

- With "LISTINGS" highlighted in the Service bar (top of the screen), press **INFO** to display (then close) Help information.
- Press **TV GUIDE** anytime to exit.

2 Press ↑/↓/←/→ to navigate the Listings screen.

- With a program highlighted, press **ENTER** to start watching that program.
- Move right for programs showing at later times.
- Press **PAGE+/–** to scroll one menu page at a time.
- Press **INFO** to display additional information (if available) about the currently selected show.
- Press **DAY+/–** to jump to the next/previous day in the listings grid.

3 To set the highlighted program to record, press ● **REC**.

Pressing ● **REC** just once sets the program to record. Press ● **REC** repeatedly to change the frequency of the recording:

- **Once** – Just records the highlighted program
- **Regularly** – Records the same program any day it airs on the same channel at the same time[1]

- **Weekly** – Records the same program at the same time[1]/day every week
- *No record icon* – Does not record.

[1] *The program is recorded if it starts any time up to the midway point of the originally scheduled program. For example, up to 9:15 for a 9:00 to 9:30 program.*

These recording options use the default settings.

To record using settings other than the defaults, use the panel menu recording option described below.

NOTE

- When TV Guide On Screen™ is not being displayed, you can record a program simply by pressing the REC button on the remote control. Press the REC button to record the current program episode. Recording begins immediately. If the program is listed in the TV Guide On Screen™, recording stops at the end of the program. If the program is not listed in the TV Guide On Screen™ system, recording continues for 30 minutes.
- When TV Guide On Screen™ is not displayed, pressing the REC button more than once has no effect.

Recording programs

The simplest way to record a program is to highlight it then press ● **REC** (as described above). However, if you want to set the recording options to anything other than the default, use the Recording Options panel menu. Here you can adjust the start and end times, the destination of the recording, etc.

1 From LISTINGS, SCHEDULE, or SEARCH, highlight the program you want to record.

2 Press **MENU** to display the Episode Options menu.

3 Highlight "set recording" then press **ENTER**.

4 Set the recording options:

Press ↑/↓ to highlight a field then press ←/→ to change the setting.

- **frequency** – select whether the program will be recorded **Once**, **Regularly** (at the same time on the same channel), or **Weekly** (every week at the same time/day). The **Off** option adds the program to the recording schedule but doesn't record it (you can set it to record later).
- **start** – set the start time of the recording to **On time**, or up to 120 minutes before or after the scheduled time.
- **end** – set the end time of the recording to **On time**, or up to 120 minutes before or after the scheduled time.
- **recorder** – select a recorder to be used for recording.
- If you want to cancel the recording, highlight **cancel** then press **ENTER**.

5 Once all the settings have been made, press **ENTER** to highlight "schedule recording" then press **ENTER** again.

- The recording is now set (listed in SCHEDULE) and the appropriate icon appears on the show title.

If there is a time conflict with a previously scheduled recording or auto-tune reminder, you will be alerted by one of the messages below. You can select to record the conflicting program, or cancel the recording.

RECORDING CONFLICT!
Recording "Scrubs" will override the recording for "Stephen King's 'Kingdom Hospital'".
record anyway
don't record this show

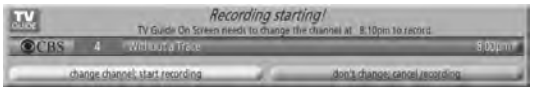
RECORDING CONFLICT!
Recording "Good Morning America" will override the auto-tune reminder for "A Night to Remember".
record anyway
don't record this show

When the recording is about to start

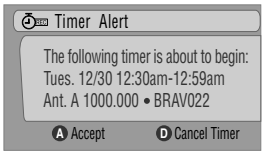
The TV Guide On Screen™ system alerts you when a scheduled recording is about to start and gives you the chance to cancel the recording.

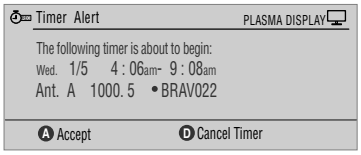
When you see the on-screen alert, select the next action;

- "change channel, start recording"
- "don't change channel; cancel recording"


Recording starting!
TV Guide On Screen needs to change the channel at 8:10pm to record.
CBS 4 Without a Trace 8:00pm
change channel; start recording
don't change; cancel recording

Depending on the situation, the following screens may appear.




Timer Alert
PLASMA DISPLAY
The following timer is about to begin:
Wed. 1/5 4 : 06am- 9 : 08am
Ant. A 1000. 5 • BRAV022
A Accept
D Cancel Timer

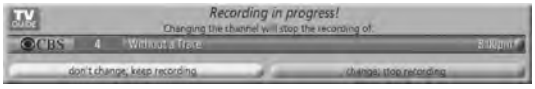
Press **A** to start recording as scheduled or **D** to cancel recording.

While recording is in progress

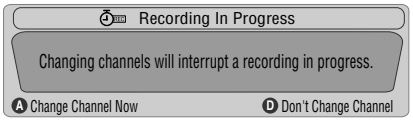
If you attempt to change the channel during recording, the following screen appears.

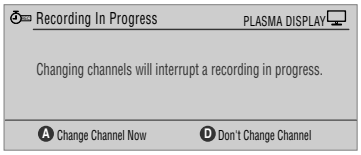
Select the next action:

- "don't change; keep recording"
- "change; stop recording"


Recording in progress!
Changing the channel will stop the recording of:
CBS 4 Without a Trace 8:00pm
don't change; keep recording
change; stop recording

Depending on the situation, the following screens may appear. This reminder remains on-screen for 15 seconds.


Recording In Progress
Changing channels will interrupt a recording in progress.
A Change Channel Now
D Don't Change Channel


Recording In Progress
PLASMA DISPLAY
Changing channels will interrupt a recording in progress.
A Change Channel Now
D Don't Change Channel

Press **A** to change the channel and quit recording; or press **D** not to change the channel and to continue recording.

Setting program reminders

By setting a program reminder you can have the TV alert you when a program is about to start on another channel. You can set reminders for individual episodes, or for every time a program airs.

1 From LISTINGS, SCHEDULE, or SEARCH, highlight the program.

2 Press **MENU** to display the Episode Options menu.

3 Highlight "set reminder" then press **ENTER**.

4 Set the reminder options.

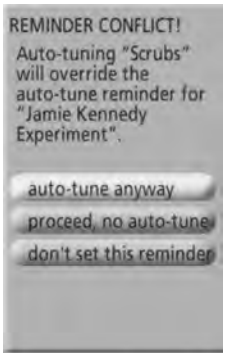
Press ↑/↓ to highlight a field; press ←/→ to change the setting.

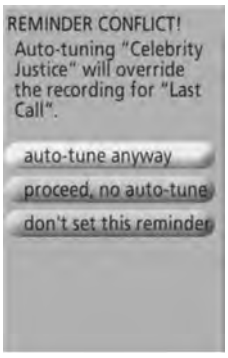
- **frequency** – select whether to be reminded just **Once**, **Regularly** (at the same time on the same channel), or **Weekly** (every week at the same time/day). The Off option adds the program to the reminder schedule but no reminder is given (to be set later).
- **auto tune** – choose whether the TV should automatically change channels when a reminder is due.
- **when** – set when the reminder appears (before, on time, or after a program has started).

5 Once all the settings have been made, press **ENTER** to highlight “schedule reminder”, then press **ENTER** again.

- The reminder is now set (listed in SCHEDULE) and the appropriate icon appears on the show title.

If there is a time conflict with a previously scheduled auto-tune reminder or recording, you will be alerted. One of the messages below will appear. You can select to set a reminder for the conflicting program or cancel the reminder.


REMINDER CONFLICT!
Auto-tuning "Scrubs" will override the auto-tune reminder for "Jamie Kennedy Experiment".
auto-tune anyway
proceed, no auto-tune
don't set this reminder


REMINDER CONFLICT!
Auto-tuning "Celebrity Justice" will override the recording for "Last Call".
auto-tune anyway
proceed, no auto-tune
don't set this reminder

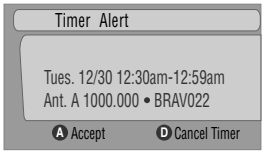
When a scheduled reminder is due (auto-tune is OFF)

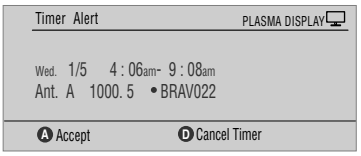
Depending on your settings, the reminder will appear on your TV screen shortly before the program is scheduled to start. This happens when you have selected “NO” for the auto tune. The reminder remains on-screen for three minutes before it automatically disappears.

Press **ENTER** to switch to the highlighted program in the reminder or highlight “hide reminders” to dismiss the reminder.

If more than one reminder is set for the same time, press ↑/↓ to select which program to watch.

Depending on the situation, the following screens may appear. The reminder remains on-screen for 15 seconds.

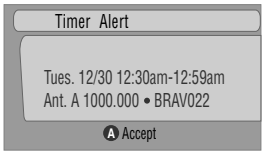


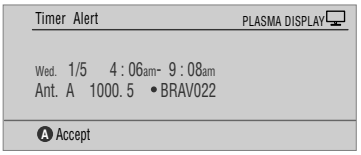


Press **A** to leave the reminder in effect, or **D** to dismiss the reminder.

When scheduled reminder is due (auto-tune is ON)

If the “auto-tune” setting was set to “yes” in the Remind Options, one of the following screens appears, depending on the situation.
The screen remains visible for 15 seconds.





Press **A** to make the Timer Alert screen disappear.

Searching for programs

The Search screen lets you search for programs alphabetically, by category, or by keyword. You can also search for HDTV programs.

Searching by category

This option supports searching for programs by category, and then by a further sub-category.

1 Select "SEARCH" from the Service bar at the top of the screen.

2 Press ↓ to move to the search category bar, then press ←/→ to select a search category.

- Available categories may include:
  - Movies
  - Sports
  - Children
  - Educational
  - News
  - Variety
  - Series
  - HDTV

3 Press ↓ to highlight the search sub-categories then select a sub-category.

- Sub-categories availability depends upon the category you choose.

4 Press **ENTER** to list upcoming programs that match the categories you chose.

COLD CASE
The Goodbye Girl (Comedy, Romance 1977) ★★★★ Neil Simon's story of an actor rooming with a divorcee. Richard Dreyfuss, Quinn Cummings, Marsha Mason. PG (Strong Language)

5 Highlight a program listing then press **MENU** to display the Episode Options menu.

Episode Options
go to Service Bar
tune to channel
set recording
set reminder
cancel
The Goodbye Girl (Comedy, Romance 1977) ★★★★ Neil Simon's story of an actor rooming with a divorcee. Richard Dreyfuss, Quinn Cummings, Marsha Mason. PG (Strong Language)

- If the program is currently showing, press **ENTER** to start watching it immediately.

Searching by keyword

This option supports searching for shows based on keywords you enter. The keywords you create are stored so you can use them again.

1 Select “SEARCH” from the Service bar at the top of the screen.

2 Press ↓ to move to the search category bar, then press ←/→ to select “KEYWORD”.

- Previously entered keywords are displayed. Simply select one to search for it again.
- To edit or delete a keyword, highlight it then press **MENU**. From the panel menu you can choose “edit search” or “delete search”.

3 Press **ENTER** to display the Keyword Search menu.

4 Select “new search”.

5 If you want to change the category, scroll up to select the category you want.

- To search using only the keyword, leave the category set to “All”.
- If you select a category (“HDTV”, for example) then you’ll only see programs in that category that also match the keyword.

6 Highlight “enter keyword” then press **ENTER**.

7 Input the keyword for the search.

- Highlight characters by pressing ↑/↓/←/→, then press **ENTER** to input the letter or number.
- The new keyword is stored for future searches.

8 Select “DONE” to start the search process.

9 Highlight a program listing, then press **MENU** to display the Episode Options menu.

- If the program is currently showing, press **ENTER** to start watching it immediately.

Alphabetical search

This search is designed to display all programs that start with a particular letter.

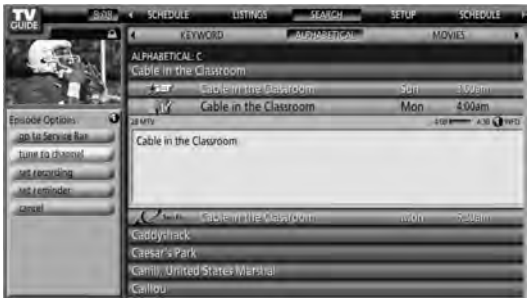
1 Select "SEARCH" from the Service bar at the top of the screen.

2 Press ↓ to move to the search category bar, then press ←/→ to select "ALPHABETICAL".

3 Press **ENTER**.

4 Select a letter, then press **ENTER** to display all programs starting with that letter.

5 Highlight a program then press **MENU** to display the Episode Options menu.



- If the program is currently showing, press **ENTER** to start watching it immediately.

The search Episode Options menu

From the Episode Options menu you can select:

- **go to Service bar** – closes the panel menu and returns to the Service bar at the top of the screen
- **tune to channel / watch now** – exits the TV Guide On Screen™ guide and tunes to the channel
- **set recording** – goes to the Record Options menu
- **set reminder** – goes to the Remind Options menu
- **cancel** – closes the panel menu and returns to the highlighted program

Navigation and search tips

- The ↑/↓ buttons move the highlight between options in the menu. Use the number buttons to input information.
- If a highlighted field has arrows on either side, press ←/→ to cycle through the options.
- Press **ENTER** on any option to highlight the default command (e.g., **Done**) then press **ENTER** again to execute and close the menu.
- Select Cancel then press **ENTER** to close the menu and return to the previous screen, or press **MENU** to close the menu without saving the changes.

Scheduling recordings and reminders

From the Schedule area you can review, edit or delete future recording sessions and reminders.

1 Select "SCHEDULE" from the Service bar at the top of the screen.

Programs marked for reminding or to be recorded (referred to as scheduled 'events') are listed. The icon on the right indicates the status of the event.

- **Once** only recording
- **Daily** Records the same channel and time every Monday through Friday (manual recording only)
- **Regularly** – Records the same program any day it airs on the same channel at the same time[1]
- **Weekly** recording (every week at the same time/day)
- **Record Suspend** – The program is set to record, but is suspended because of a conflict with another recording or auto tune reminder. The recording resumes when the conflict is cleared.
- **Off**: The program remains in the SCHEDULE list, but is not recorded.
- **Once** only reminder
- **Daily** Reminds for the same channel and time every Monday through Friday (manual reminder only)
- **Regularly** – Reminds the same program any day it airs on the same channel at the same time[2]
- **Weekly** reminder (every week at the same time/day)
- **Remind Suspend** – A reminder is set for the program, but is suspended because of a conflict with another auto tune reminder or recording. The reminder activates when the conflict is cleared.
- **Off**: The program remains in the SCHEDULE list but the reminder is not sent.

[1] The program records if it starts any time up to the midway point of the originally scheduled program. For example, up to 9:15 for a 9:00 to 9:30 program.

[2] The reactivated reminder appears if the program starts any time up to the midway point of the original schedule. For example, up to 9:15 for a 9:00 to 9:30 program.

2 Highlight a program in the list then press **MENU** to display the Schedule Options menu.

- Highlight a program in the list to see information related to that program (data appears in the Info Box).

The Schedule Options menu

Press **MENU** with either "SCHEDULE" (in the Service bar) or a program highlighted to access the Schedule Options menu.

When "SCHEDULE" is highlighted in the service bar:

- **go to Service Bar** – closes the menu and returns to the Service bar at the top of the screen
- **sort by** – select a sort order for the program listings
- **new manual recording** – select then fill in the necessary fields to set the recording
  Select "schedule recording" to save and exit or select "cancel" to exit without saving.
- **new manual reminder** – select and then fill in all the necessary fields to set the reminder. Select "schedule reminder" when you're done to save and exit, or select "cancel" to exit without saving.
- **done** – closes the menu and returns to the Service bar at the top of the screen
- **cancel** – closes the menu without saving changes and returns to the Service bar at the top of the screen

When a program is highlighted:

- **go to Service Bar** – closes the menu and returns to the Service bar at the top of the screen
- **watch now** – selected program appears (this option is "tune to channel" for a future program)
- **cancel** – closes the menu and returns to the highlighted program listing

For recording:

- **set recording** – set the program to record (opens the Record Options menu)
- **delete recording** – remove the recording from the schedule (requires confirmation)
- **edit recording** – edit the recording settings (opens the Record Options menu)

For reminder:

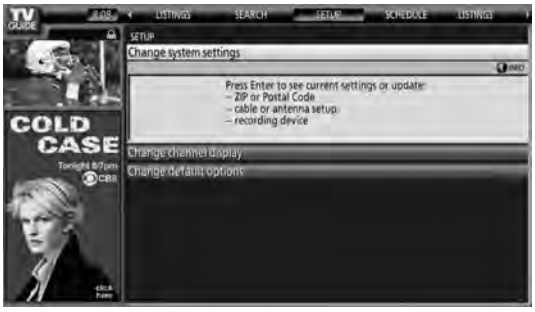
- **set reminder** – set a reminder notice for the program (opens the Remind Options menu)
- **delete reminder** – remove the reminder from the schedule (requires confirmation)
- **edit reminder** – edit the reminder settings (opens the Remind Options menu)

Changing setup options

You can change TV Guide On Screen™ settings from the Setup menu. Setup options are divided into three categories: System Settings, Channel Display, and Default Options.

1 Select "SETUP" from the Service bar at the top of the screen.

2 Press ↓ to select a Setup option.



Adjustment options appear with each highlighted menu item.

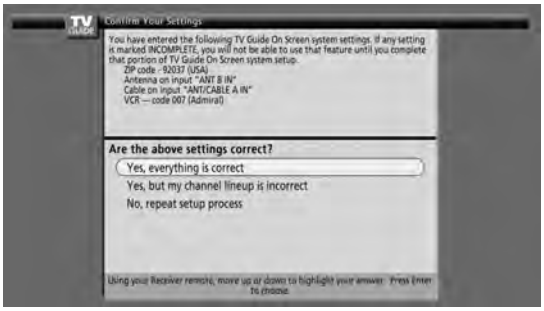
- **System Settings** – ZIP/postal code, cable setup, etc.
- **Channel Display** – Channel position, tuning channel, display on/off, etc.
- **Default Options** – General, recording and reminder defaults

Changing the System Settings

The System Settings include your ZIP/postal code and your cable TV setup.

1 Highlight the "Change System Settings" item.

2 Press **ENTER** to display the current settings and the options to change them.


Confirm Your Settings
You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use that feature until you complete that portion of TV Guide On Screen system setup.
ZIP code – 92037 (USA)
Antenna on input "ANT B IN"
Cable on input "ANT/CABLE A IN"
VCR — code 007 (Admiral)
Are the above settings correct?
Yes, everything is correct
Yes, but my channel lineup is incorrect
No, repeat setup process

3 Select one of the options, then follow the on-screen instructions.

- Yes, everything is correct (displays a helpful information screen). Press **ENTER** to quit the TV Guide On Screen™ System.
- Yes, but my channel lineup is incorrect (displays a screen with alternate channel lineups). Press **ENTER** to display the Channel Editor screen.
- No, repeat setup process (displays Screen 1 shown on page 32).

Changing the Channel Display settings

From the Channel Display settings you can set/change:

- the display setting to always display (On), never display (Off), or display only when channel information is available (Auto Hide)
- the tuned channel number
- the channel position in the channel listing

1 Highlight the "Change Channel Display" item.

SETUP
Change system settings
Change channel display
Press Enter to access Channel Editor, then highlight a channel and press Enter for options
Change default options
COLD CASE

2 Press **ENTER** to display the channel editor.

CHANNEL EDITOR
WCVB Cable Box 5 ON
Change the On/Off/Auto-Hide setting of this channel, or change the channel's number.
WFXT Cable Box 13 ON
WBZ Cable Box 4 ON
WHDH Air 7 ON
WGBH Air 2 ON
WSBK Cable Box 14 ON
WLVI DT Air 56-1 ON
WCVB Air 5 ON
WCVB-DT Cable Box 805 ON
COLD CASE

3 Press ↑/↓ to highlight a channel then press **ENTER** to go to the Grid Options menu.

From the Grid Options menu you can set:

- **channel** – On (display in channel list), Off (don't display) or Auto Hide (hide when no program information is available)
- **service** – the type of service that the channel operates on (cable, etc.)
- **tune channel** – the channel number that the channel listing is tuned to
- **position** – place that the channel appears in the channel list

4 After making all selections for the channel, highlight "done" then press **ENTER**.

- To cancel without saving the changes, select "cancel".

Changing the Default Options

The menu provides options to change the default settings for recordings, reminders, and other general settings.

1 Select the "Change Default Options" item.

2 Select a default option category.

A different panel menu appears for each option.

General default options

- **box size** – the initial size of the Info Box (no, small, large, last used)
- **box cycle** – the cycle behavior of the Info Box (no only, small only, large only, no & small, no & large, small & large, all)
- **auto guide** – Display TV Guide On Screen™ guide automatically when you turn on the TV

Record defaults

- **start** – when to start a recording (up to 120 minutes earlier or later than the program start time, or On time)
- **end** – when to end a recording (up to 120 minutes earlier or later than the program end time, or On time)
- **recorder** – selects a recorder to be used for recording.

Remind defaults

- **auto tune** – automatically tunes to the correct channel when a reminder becomes due (Yes or No)
- **when** – set the display time for the reminder (15 minutes early to 15 minutes late, or On time)

3 When the settings are complete, highlight "done" then press **ENTER**.

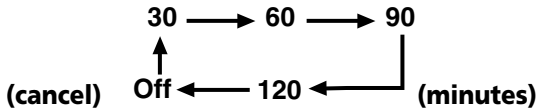
- To cancel without saving the changes, select "cancel".

Sleep Timer

When the selected time elapses, the Sleep Timer automatically places the system into standby.

Press **SLEEP** to select the desired time.

- The timer starts counting.
- Each time you press **SLEEP**, the selection cycles as below:



- The factory default is "Off".

NOTE

- To cancel the Sleep Timer, select "Off" by pressing **SLEEP**.
- Five minutes before the selected time elapses, the remaining time appears every minute.

You can also use this menu to set the Sleep Timer.

1. Press **HOME MENU**.
2. Select "Sleep Timer". (▲/▼ then **ENTER**)
3. Select the desired time. (▲/▼ then **ENTER**)
4. Press **HOME MENU** again to exit the menu.

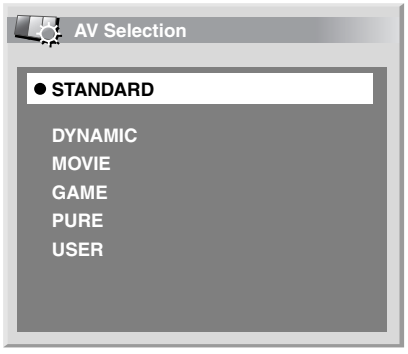
AV Selection

Viewing options depend upon the current environment (e.g., room brightness), the type of the current TV program, or the type of images input from external equipment. To change the view, follow the directions below.

1. Press **AV SELECTION**.
   - The current AV Selection mode appears.
2. Press **AV SELECTION** again before the displayed mode disappears.
   - For AV source, the mode cycles in this order; STANDARD, DYNAMIC, MOVIE, GAME, PURE and USER.
   - For PC source, the mode toggles between STANDARD and USER.

You can also use the menu to change the options.

1. Press **HOME MENU**.
2. Select "Picture". (▲/▼ then **ENTER**)
3. Select "AV Selection". (▲/▼ then **ENTER**)
4. Select the desired option. (▲/▼ then **ENTER**)



For AV source

Item	Description
STANDARD	For a highly defined image in a normally bright room *This selection is shared by the external input and TV input sources.*
DYNAMIC	For a very sharp image with maximum contrast *This mode does not allow manual image quality adjustment.* *This selection is shared by the external input and TV input sources.*
MOVIE	For movies *This selection is shared by the external input and TV input sources.*
GAME	Lowers image brightness for easier viewing *This selection is shared by the external input and TV input sources*
PURE	Reflects input signals as faithfully as possible *For example, you may select this option to check image materials.*
USER	Allows you to customize settings as desired *You can set the mode for each input source.*

For PC source

Item	Description
STANDARD	For a highly defined image in a normally bright room
USER	Allows you to customize settings as desired *You can set the mode for each input source.*

5. Press **HOME MENU** again to exit the menu.

NOTE

- You can also press **AV SELECTION** on the remote control unit to change the viewing option.
- Selecting the DYNAMIC viewing setting causes all other viewing options to become unavailable (grayed out).

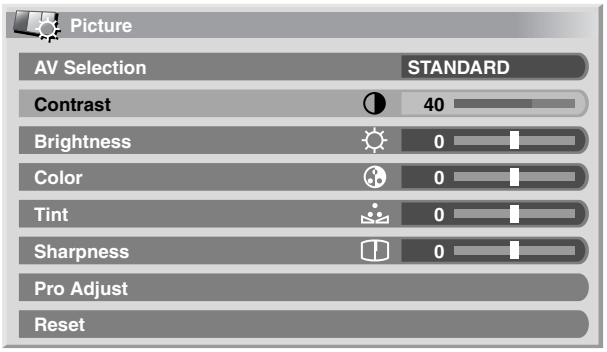
Basic picture adjustments

Adjust the picture to your preference unless DYNAMIC was selected. The DYNAMIC setting automatically adjusts the image.

1 Press **HOME MENU**.

2 Select "Picture". (▲/▼ then **ENTER**)

3 Select an item to be adjusted. (▲/▼ then **ENTER**)



4 Select the desired level. (◀/▶)

- When an adjustment screen is displayed, you can also press ▲/▼ to change the item to be adjusted.

5 Press **HOME MENU** to exit the menu.

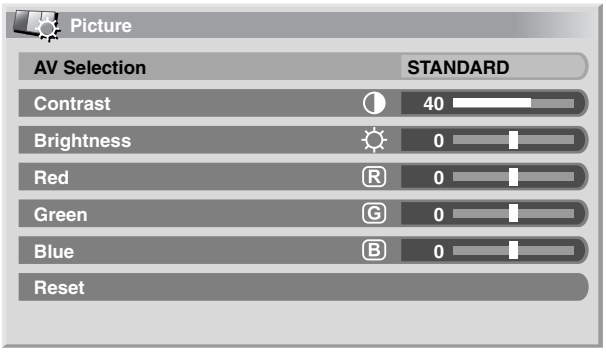
For AV source

Item	◀ button	▶ button
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Color	For less color intensity	For more color intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness

For PC source

Item	◀ button	▶ button
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Red	For weaker red	For stronger red
Green	For weaker green	For stronger green
Blue	For weaker blue	For stronger blue

For PC source, the following screen appears:



NOTE

- To perform advanced picture adjustments, select "Pro Adjust" in step 3 then press **ENTER**. For the subsequent procedures see "Advanced picture adjustments" on page 59.
- To restore the factory defaults for all items, press ▲/▼ to highlight "Reset" in step 3 then press **ENTER**. A confirmation screen appears. Press ◀/▶ to select "Yes" then press **ENTER**.

Advanced picture adjustments

The Plasma Display System provides various advanced functions for optimizing the picture quality. For details on these functions, see the following tables.

Using PureCinema

1 Press **HOME MENU**.

2 Select “Picture”. (▲/▼ then **ENTER**)

3 Select “Pro Adjust”. (▲/▼ then **ENTER**)

4 Select “PureCinema”. (▲/▼ then **ENTER**)

5 Select the desired parameter. (▲/▼ then **ENTER**)

- For the selectable parameters, refer to the table below.

PureCinema		
Automatically detects a film-based source (originally encoded at 24 frames/second), analyzes it, then recreates each still film frame for high-definition picture quality.		
Selections	Off	Deactivates the PureCinema.
	Standard	Produces smooth and vivid moving images (film specific) by automatically detecting recorded image information when displaying DVD or high-definition images (e.g., movies) having 24 frames per second.
	ADV	Produces smooth and quality moving images (as shown on theatre screens) by converting to 72 Hz when displaying DVD images (e.g., movies) having 24 frames per second.

NOTE

- “Standard” is unavailable for 480p or 720p@60 Hz or 1080p@24 Hz (HDMI) signals.
- “ADV” is unavailable for 1080p@24 Hz (HDMI) signals.

Using Color Temp

1 Press **HOME MENU**.

2 Select “Picture”. (▲/▼ then **ENTER**)

3 Select “Pro Adjust”. (▲/▼ then **ENTER**)

4 Select “Color Detail”. (▲/▼ then **ENTER**)

5 Select “Color Temp”. (▲/▼ then **ENTER**)

6 Select the desired parameter. (▲/▼ then **ENTER**)

- If you have selected a desired parameter in this step, skip steps 7 and 8.
- An option is to apply a fine adjustment. To do this, select “Manual” first and then press and hold **ENTER** for at least three (3) seconds. The manual adjustment screen appears. Continue to step 7.

Color Temp		
Adjusts the color temperature, resulting in a better white balance.		
Selections	High	White with bluish tone
	Mid-High	Intermediate tone between High and Mid
	Mid	Natural tone
	Mid-Low	Intermediate tone between Mid and Low
	Low	White with reddish tone
	Manual	Color temperature adjusted to your preference

7 Select an item to be adjusted. (▲/▼ then **ENTER**)

8 Select the desired level. (◀/▶)

Item		◀ button	▶ button
R High	Fine adjustment for bright portions	For weaker red	For stronger red
G High		For weaker green	For stronger green
B High		For weaker blue	For stronger blue
R Low	Fine adjustment for dark portions	For weaker red	For stronger red
G Low		For weaker green	For stronger green
B Low		For weaker blue	For stronger blue

- To adjust another item, press **RETURN**, then repeat steps 7 and 8.
- Press ▲/▼ to select another item for adjustment.

9 Press **HOME MENU** again to exit the menu.

Using CTI

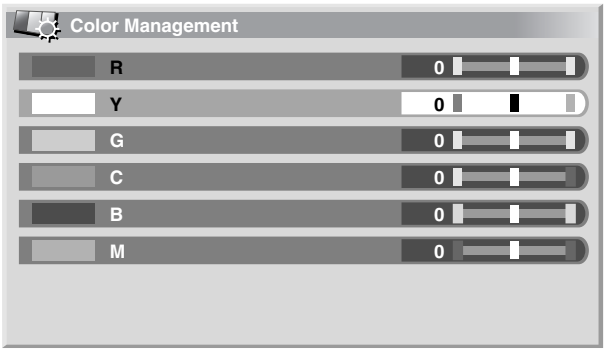
1 Press **HOME MENU**.
2 Select “Picture”. (▲/▼ then **ENTER**)
3 Select “Pro Adjust”. (▲/▼ then **ENTER**)
4 Select “Color Detail”. (▲/▼ then **ENTER**)
5 Select “CTI”. (▲/▼ then **ENTER**)
6 Select the desired parameter. (▲/▼ then **ENTER**)

CTI		
Color Transient Improvement (CTI) provides images with clearer color contours.		
Selections	Off	Deactivates CTI
	On	Activates CTI

7 Press **HOME MENU** again to exit the menu.

Using Color Management

1 Press **HOME MENU**.
2 Select “Picture”. (▲/▼ then **ENTER**)
3 Select “Pro Adjust”. (▲/▼ then **ENTER**)
4 Select “Color Detail”. (▲/▼ then **ENTER**)
5 Select “Color Management”. (▲/▼ then **ENTER**)
6 Select an item to be adjusted. (▲/▼ then **ENTER**)



7 Select the desired level. (◀/▶)

Item	◀ button	▶ button
R	Closer to magenta	Closer to yellow
Y	Closer to red	Closer to green
G	Closer to yellow	Closer to cyan
C	Closer to green	Closer to blue
B	Closer to cyan	Closer to magenta
M	Closer to blue	Closer to red

- To adjust another item, press **RETURN** then repeat steps 6 and 7.
- Press ▲/▼ to select another item for adjustment.

8 Press **HOME MENU** again to exit the menu.

Using Color Space

1 Press **HOME MENU**.
2 Select “Picture”. (▲/▼ then **ENTER**)
3 Select “Pro Adjust”. (▲/▼ then **ENTER**)
4 Select “Color Detail”. (▲/▼ then **ENTER**)
5 Select “Color Space”. (▲/▼ then **ENTER**)
6 Select the desired parameter. (▲/▼ then **ENTER**)

Color Space		
Changes the color reproduction space.		
Selections	1	Optimized for vivid, vibrant color reproduction
	2	Standard color reproduction

7 Press **HOME MENU** again to exit the menu.

Using Intelligent Color

1 Press **HOME MENU**.
2 Select “Picture”. (▲/▼ then **ENTER**)
3 Select “Pro Adjust”. (▲/▼ then **ENTER**)
4 Select “Color Detail”. (▲/▼ then **ENTER**)
5 Select “Intelligent Color”. (▲/▼ then **ENTER**)
6 Select the desired parameter. (▲/▼ then **ENTER**)

Intelligent Color		
Intelligent Color (IC) automatically selects the optimum color tones for an image.		
Selections	Off	Deactivates Intelligent Color
	On	Activates Intelligent Color

7 Press **HOME MENU** again to exit the menu.

Eliminating noise from images

1 Press **HOME MENU**.

2 Select “Picture”. (▲/▼ then **ENTER**)

3 Select “Pro Adjust”. (▲/▼ then **ENTER**)

4 Select “NR”. (▲/▼ then **ENTER**)

5 Select an item to be adjusted. (▲/▼ then **ENTER**)
- Choose “DNR”, “MPEG NR” or “BNR”.

6 Select the desired parameter. (▲/▼ then **ENTER**)

DNR

Digital Noise Reduction (DNR) eliminates video noise for clean, crisp images.

Selections	Off	Deactivates DNR
	High	Enhanced DNR
	Mid	Standard DNR
	Low	Moderate DNR

MPEG NR

MPEG NR, video noise reduction for MPEG-encoded content, eliminates mosquito noise (tiny irregularities in the image) from video when a DVD is played. The result is a noise-free image.

Selections	Off	Deactivates MPEG NR
	High	Enhanced MPEG NR
	Mid	Standard MPEG NR
	Low	Moderate MPEG NR

BNR

Block Noise Reduction (BNR) helps reduce mosquito noise appearing in high-definition images.

Selections	Off	Deactivates BNR
	On	Activates BNR

7 Press **HOME MENU** again to exit the menu.

Using the Dynamic Range Expander (DRE) functions

1 Press **HOME MENU**.

2 Select “Picture”. (▲/▼ then **ENTER**)

3 Select “Pro Adjust”. (▲/▼ then **ENTER**)

4 Select “DRE”. (▲/▼ then **ENTER**)

5 Select an item to be adjusted. (▲/▼ then **ENTER**)
- Choose “Dynamic Contrast”, “Black Level”, “ACL”, “Gamma” or “Intelligent DRE”.

6 Select the desired parameter. (▲/▼ then **ENTER**)

Dynamic Contrast

Dynamic Contrast (DC) emphasizes image contrast so that the difference between bright and dark areas become more distinct.

Selections	Off	Deactivates Dynamic Contrast
	High	Enhanced Dynamic Contrast
	Mid	Standard Dynamic Contrast
	Low	Moderate Dynamic Contrast

Black Level

Black Level (BL) emphasizes the dark portions of images so that the difference between bright and dark areas become more distinct.

Selections	Off	Deactivates Black Level
	On	Activates Black Level

ACL

Automatic Contrast Limiter (ACL) automatically selects the optimum contrast for an image.

Selections	Off	Deactivates ACL
	On	Activates ACL

Gamma

Gamma adjusts the image gradation characteristics.

Selections	1	Selects gamma characteristics 1
	2	Selects gamma characteristics 2
	3	Selects gamma characteristics 3

Intelligent DRE

Intelligent Dynamic Range Expander (DRE) optimizes the image quality.

Selections	Off	Deactivates Intelligent DRE
	On	Activates Intelligent DRE

7 Press **HOME MENU** again to exit the menu.

Using the 3DYC and I-P Mode

1 Press **HOME MENU**.

2 Select “Picture”. (▲/▼ then **ENTER**)

3 Select “Pro Adjust”. (▲/▼ then **ENTER**)

4 Select “Others”. (▲/▼ then **ENTER**)

5 Select an item to be adjusted. (▲/▼ then **ENTER**)
- Choose “3DYC” or “I-P Mode”.

6 Select the desired parameter. (▲/▼ then **ENTER**)

3DYC

3DYC optimizes characteristics for separating brightness signals and color signals. This works for both video and still images.

Selections	Off	Deactivates 3DYC
	High	Enhanced 3DYC
	Mid	Standard 3DYC
	Low	Moderate 3DYC

I-P Mode

I-P Mode optimizes conversion from interlace signals to progressive signals. This works for both video and still images.

Selections	1	Optimum for video images
	2	Standard setting
	3	Optimum for still images

7 Press **HOME MENU** again to exit the menu.

NOTE

- In I-P Mode, the individual parameters are unavailable for 480p and 720p@60 Hz signals.

Sound adjustments

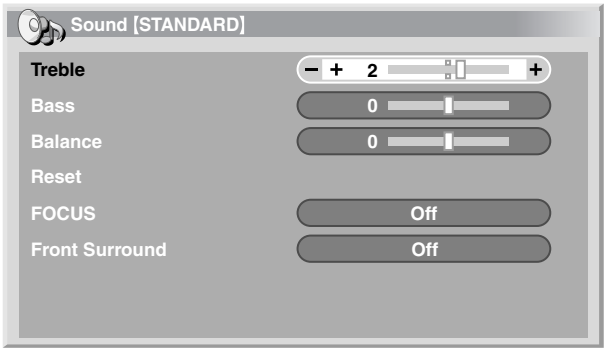
Adjust the sound to your preference. See page 57.

1 Press **HOME MENU**.

2 Select “Sound”. (▲/▼ then **ENTER**)

3 Select an item to be adjusted. (▲/▼)

4 Select the desired level. (◀/▶)



Item	◀ button	▶ button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decreases audio from the right speaker	Decreases audio from the left speaker

5 Press **HOME MENU** again to exit the menu.

NOTE

- To restore all factory defaults, press ▲/▼ to select “Reset” in step 3 then press **ENTER**. A confirmation screen appears. Press ◀/▶ to select “Yes” then press **ENTER**.

FOCUS

Focus shifts the sound-source direction (sound image) upward and produces clear sound contours.

1 Press **HOME MENU**.

2 Select "Sound". (▲/▼ then **ENTER**)

3 Select "FOCUS". (▲/▼)

4 Select the desired parameter. (◀/▶)

Item	Description
Off	Deactivates FOCUS
On	Activates FOCUS

5 Press **HOME MENU** again to exit the menu.

Front Surround

Front Surround provides three-dimensional sound effects and/or a deep, rich bass.

1 Press **HOME MENU**.

2 Select "Sound". (▲/▼ then **ENTER**)

3 Select "Front Surround". (▲/▼)

4 Select the desired parameter. (◀/▶)

Item	Description
Off	Deactivates both SRS and TruBass
SRS	Reproduces highly effective three-dimensional sound
TruBass (factory default)	Provides deep, rich bass using a new technology
TruBass + SRS	Provides both TruBass and SRS effects

5 Press **HOME MENU** again to exit the menu.

NOTE

- SRS (WOW) FOCUS is on and TruBass + SRS is selected for Front Surround
- SRS trademark of SRS Labs, Inc.
- WOW technology is incorporated under license from SRS Labs, Inc.

Power Control

Power Control provides convenient power saving options.

Energy Save

There are three Energy Save modes to reduce power consumption.

1 Press **HOME MENU**.

2 Select "Power Control". (▲/▼ then **ENTER**)

3 Select "Energy Save". (▲/▼ then **ENTER**)

4 Select "Save1", "Save2" or "Picture Off". (▲/▼ then **ENTER**)

Item	Description
Standard	Maximum picture brightness; may increase glass panel buzzing
Save1	Slightly reduced power consumption and brightness; optimal setting for most uses
Save2	Lowest power consumption; slightly decreased brightness
Picture Off	Deactivates the screen to save power. To restore the screen display, press any button other than **VOL +/–** and **MUTING**. *This setting is not memorized by the system.*

5 Press **HOME MENU** again to exit the menu.

NOTE

- When the signal is coming from a PC, use the Home menu to set this option.

No Signal off (AV mode only)

The system automatically enters Standby if no signal is received for 15 minutes.

1 Press **HOME MENU**.

2 Select "Power Control". (▲/▼ then **ENTER**)

3 Select "No Signal off". (▲/▼ then **ENTER**)

4 Select "Enable". (▲/▼ then **ENTER**)

Item	Description
Disable (factory default)	Does not place the system into Standby
Enable	Places the system into Standby if no signal is received for 15 minutes

5 Press **HOME MENU** again to exit the menu.

NOTE

- Five minutes before the system is placed into Standby, a message appears as each minute counts down.
- The system may not enter Standby if the TV program signal has a high video noise level.

No Operation off (AV mode only)

The system automatically enters Standby when no operation is performed for three hours.

1 Press **HOME MENU**.

2 Select “Power Control”. (▲/▼ then **ENTER**)

3 Select “No Operation off”. (▲/▼ then **ENTER**)

4 Select “Enable”. (▲/▼ then **ENTER**)

Item	Description
Disable (factory default)	Does not place the system into Standby
Enable	Places the system into Standby if no operation is performed for three hours

5 Press **HOME MENU** again to exit the menu.

NOTE

- Five minutes before the system is placed into Standby, a message appears as each minute counts down.

Power Management (PC mode only)

The system automatically enters Standby when no signal is received from the PC.

1 Press **HOME MENU**.

2 Select “Power Control”. (▲/▼ then **ENTER**)

3 Select “Power Management”. (▲/▼ then **ENTER**)

4 Select “Mode1” or “Mode2”. (▲/▼ then **ENTER**)

Item	Description
Off (factory default)	No power management
Mode1	• Places the system into Standby when no signal is received from the PC for eight minutes • Although the PC is accessed and a signal is received again, the system stays off. • Press **STANDBY/ON** on the Plasma Display or **TV** ⏻ on the remote control to turn the panel On
Mode2	• Places the system into Standby when no signal is received for eight seconds • Access the PC (a signal is received again), the system turns On • Press **STANDBY/ON** on the Plasma Display or **TV** ⏻ on the remote control to turn the panel On.

5 Press **HOME MENU** again to exit the menu.

Image position adjustment (AV mode only)

This function adjusts an image's horizontal/vertical position on the Plasma Display.

1 Press **HOME MENU**.

2 Select “Option”. (▲/▼ then **ENTER**)

3 Select “Position”. (▲/▼ then **ENTER**)

4 Select “H/V Position Adjust”. (▲/▼ then **ENTER**)

5 Adjust the vertical position (▲/▼) or horizontal position (◀/▶).

6 Press **HOME MENU** again to exit the menu.

NOTE

- To restore the factory defaults, press ▲/▼ to select “Reset” in step 4 then press **ENTER**. A confirmation screen appears. Press ◀/▶ to select “Yes” then press **ENTER**.
- Adjustments are stored separately for each input source.
- Depending on the displayed video, the image position may not change even after adjustment.

Automatic image position and clock (Hertz) adjustments (PC mode only)

Use Auto Setup to automatically adjust image positions and clock speeds when coming from a PC.

1 Press **HOME MENU**.

2 Select “Option”. (▲/▼ then **ENTER**)

3 Select “Auto Setup”. (▲/▼ then **ENTER**)

- Auto Setup begins.

4 Press **HOME MENU** again to exit the menu.

NOTE

- When Auto Setup is finished, “Auto Setup completed.” appears.
- Although “Auto Setup completed.” appears, Auto Setup may have failed, depending on conditions.
- Auto Setup may fail with a PC image composed of similar patterns or a monochrome picture. If Auto Setup fails, change the PC image and try again.
- The PC and the Plasma Display must be turned On before starting Auto Setup.

Manual image position and clock adjustments (PC mode only)

Usually you can easily adjust the positions and clock of images using Auto Setup. Use Manual Setup to optimize the positions and clock of images when necessary.

1 Press **HOME MENU**.

2 Select "Option". (▲/▼ then **ENTER**)

3 Select "Manual Setup". (▲/▼ then **ENTER**)

4 Select an item to be adjusted. (▲/▼ then **ENTER**)

5 Perform adjustment. (◀/▶ or ▲/▼)
- With "Clock" or "Phase" selected, you can change the parameter using ▲/▼.

6 Press **HOME MENU** again to exit the menu.

NOTE

- To restore all factory defaults, press ▲/▼ to select "Reset" in step 4 then press **ENTER**. A confirmation screen appears. Press ◀/▶ to select "Yes" then press **ENTER**.

Selecting a screen size manually

In single-screen mode, press **SCREEN SIZE** to change the size of the screen. The Video signal determines the available screen size options.

- The selectable screen sizes differ depending on the type of input signal.

AV mode

Item	Description
4:3	For 4:3 "standard" pictures (side bar appears on each side)
FULL	For 16:9 squeezed pictures
ZOOM	For 16:9 letterbox pictures (bars may appear on the top and bottom on some programs)
CINEMA	For 14:9 letterbox pictures (bars may appear on the top and bottom on some programs)
WIDE	In this mode pictures are stretched to fill the screen, side to side

NOTE

- Avoid displaying signals that do not completely fill the screen. This may cause temporary or permanent image retention depending on the frequency and duration.

PC mode except for XGA signals

Item	Description
4:3	Fills the screen without altering the input signal aspect ratio
FULL	Full 16:9 screen display
Dot by Dot	Matches input signal to the same number of screen pixels

PC mode for XGA signals

(Ex. 1024 × 768 input with PRO-1140HD/PRO-1540HD)

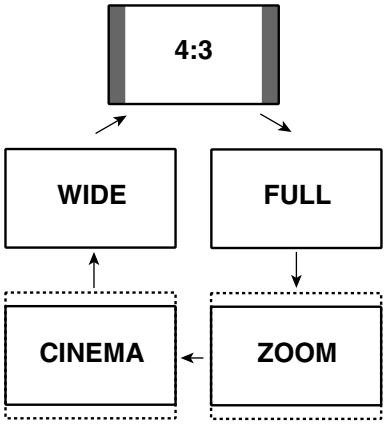
Item	Description
4:3	Matches input signal to the same number of screen pixels Optimized for 1024 × 768 display
FULL1	Full 16:9 screen display Optimized for 1024 × 768 display
FULL2	For wide signal display Use when displaying 1360 × 768 signal resolution

NOTE

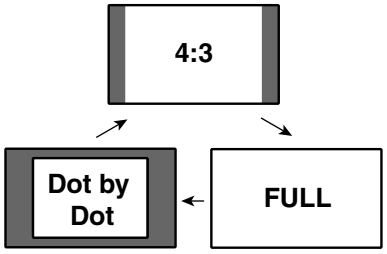
- In 2-screen mode, press SCREEN SIZE to change the size of the left screen.
- For the PRO-940HD the number of panel pixels is different. Signal processing and actual viewing conditions vary slightly.

- When watching a High Definition TV broadcast, press **SCREEN SIZE** to cycle through FULL, ZOOM, WIDE, and 4:3.
- High Definition TV broadcasting with WIDE selected may hide some of the screen image. If this is the case, select FULL.
- Some HD broadcasts may display 4:3 content with side masks. Extended viewing with the sides masked can cause uneven wear. After viewing 4:3 content, try watching a program in full screen motion video.

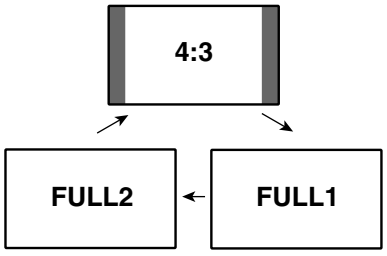
AV mode



PC mode except for XGA signals



PC mode for XGA signals



NOTE

- The selectable screen sizes may differ depending on the conditions.

Selecting a screen size automatically

The Plasma Display automatically selects an appropriate screen size when video signals are received from a connected HDMI device (see page 69). To activate this function, use the following procedure.

1 Press **HOME MENU**.

2 Select "Option". (▲/▼ then **ENTER**)

3 Select "Auto Size". (▲/▼ then **ENTER**)

4 Select "On". (▲/▼ then **ENTER**)

Item	Description
Off (factory default)	Deactivates the Auto Size function
On	Activates the Auto Size function

5 Press **HOME MENU** again to exit the menu.

NOTE

- Manually select an appropriate screen size if an image does not automatically switch to the correct screen format.
- When the video signal contains no aspect ratio information, automatic screen sizing is unavailable.

Selecting a screen size for 4:3 aspect ratio signals

With the Auto Size function activated, choose whether the Plasma Display should choose the 4:3 mode or WIDE mode when 4:3 aspect ratio signals are received.

1 Press **HOME MENU**.

2 Select "Option". (▲/▼ then **ENTER**)

3 Select "4:3 Mode". (▲/▼ then **ENTER**)

4 Select "WIDE" or "4:3". (▲/▼ then **ENTER**)

Item	Description
WIDE (factory default)	Wide image without side masks
4:3	4:3 aspect ratio with side masks

WIDE

4:3

5 Press **HOME MENU** again to exit the menu.

Changing the brightness on both sides of the screen (Side Mask)

With the 4:3 screen size selected for the AV mode, you can change the brightness of the gray vertical bars (side masks) that appear on the sides of the screen.

1 Press **HOME MENU**.

2 Select “Option”. (▲/▼ then **ENTER**)

3 Select “Side Mask”. (▲/▼ then **ENTER**)

4 Select the desired parameter. (▲/▼ then **ENTER**)

Item	Description
Fixed (factory default)	Always sets the same brightness for the gray side masks
Auto	Adjusts the brightness of the gray side masks according to the brightness of images

5 Press **HOME MENU** again to exit the menu.

NOTE

- Displaying pictures in 4:3 screen mode for an extended period may cause an after-image. View another program at full screen afterwards to avoid this issue.

Language setting

To change the language being used for on-screen displays (such as menus in French or Spanish instead of English), follow the instructions below.

1 Press **HOME MENU**.

2 Select “Option”. (▲/▼ then **ENTER**)

3 Select “Language”. (▲/▼ then **ENTER**)

4 Select a language. (◀/▶)

5 Press **HOME MENU** again to exit the menu.

About External Equipment

You can connect many types of devices to your Plasma Display System. Some examples are a DVD player, VCR, PC, game console, or camcorder.

To view images coming from external equipment, select the input source using the **INPUT** buttons on the remote control or the **INPUT** button on the Plasma Display.

CAUTION

- To protect equipment, always unplug the Plasma Display from the power outlet before adding to a DVD player, VCR, PC, game console, camcorder, or other device.

NOTE

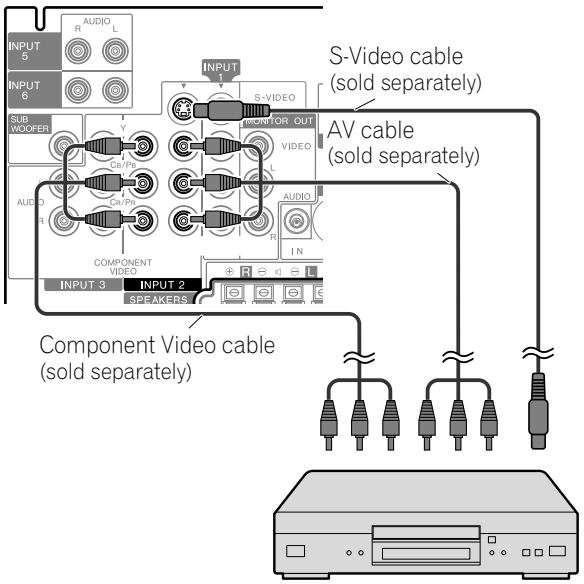
- Refer to the device's operating instructions (DVD player, PC, etc.) before connecting the equipment.

Watching a DVD image

Connecting a DVD player

Use the INPUT 2 terminals when connecting a DVD player or other audio/visual equipment.

Plasma Display (rear view)



DVD player

Displaying a DVD image

To watch a DVD image, press **INPUT 2** on the remote control unit or press **INPUT** on the Plasma Display to select INPUT2.

NOTE

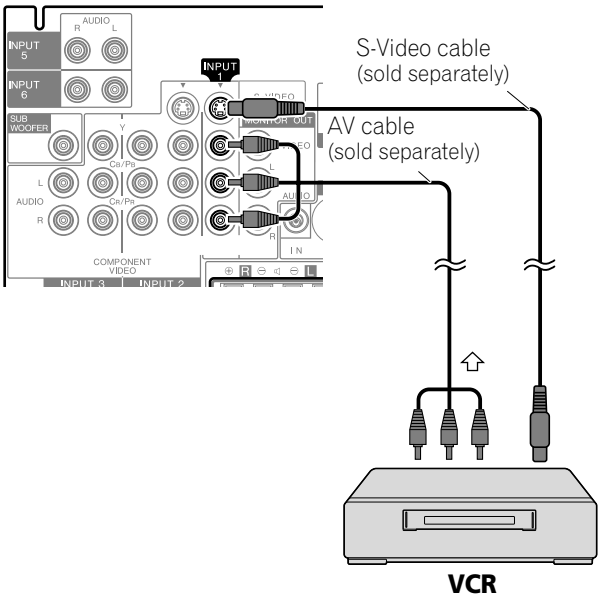
- Refer to your DVD player instruction manual for the signal type.
- The INPUT 2 terminals are checked whether they are connected in the following order; 1) Component Video, 2) S-Video, 3) Video.
  Use the desired connection for viewing.
- Connect external equipment to only terminals that are to be actually used.

Watching a VCR image

Connecting a VCR

Use the INPUT 1 terminals when connecting a VCR or other audio/visual equipment.

Plasma Display (rear view)



VCR

Displaying a VCR image

To watch a VCR image, press **INPUT 1** on the remote control unit or press **INPUT** on the Plasma Display to select INPUT1.

NOTE

- INPUT 1 checks for S-Video connections first then for Video. Use the desired connection for viewing.

Using HDMI Input

The INPUT 5 and INPUT 6 terminals are HDMI terminals for digital video and audio signals. To use the HDMI terminal, specify the types of video and audio signals being sent from the connected equipment. For signal types refer to the device's operating manual.

Before bringing up the menu, press **INPUT 5** (or **INPUT 6**) on the remote control or press **INPUT** on the Plasma Display to select INPUT 5 (or INPUT 6).

Input signal correlation table
1920×1080i@59.94/60 Hz
720×480p@59.94/60 Hz
1280×720p@59.94/60 Hz
720(1440)×480i@59.94/60 Hz
1920×1080p@24 Hz

For audio, the panel supports the following:

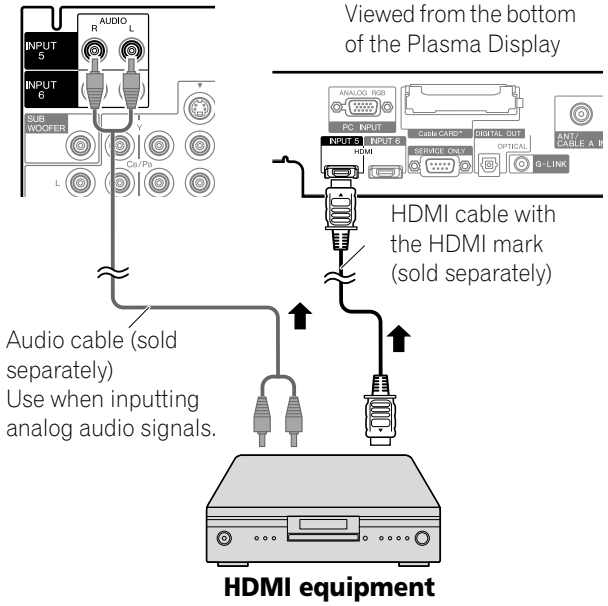
- Linear PCM (STEREO 2ch)
- Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz

NOTE

- PC signals are not supported.
- Images are sometimes slow to appear with some external devices.

Connecting HDMI equipment

Plasma Display (rear view)



To specify the digital video signal type:

1 Press **HOME MENU**.

2 Select "Option". (▲/▼ then **ENTER**)

3 Select "HDMI Input". (▲/▼ then **ENTER**)

4 Select "Video". (▲/▼ then **ENTER**)

5 Select the type of digital video signals. (▲/▼ then **ENTER**)

- If you select "Auto", the panel automatically attempts to identify the type of digital video signal.

Item	Description
Auto (factory default)	Automatically identifies input digital video signals
Color-1	Digital Component Video signals (4:2:2) locked
Color-2	Digital Component Video signals (4:4:4) locked
Color-3	Digital RGB signals locked

6 Press **HOME MENU** again to exit the menu.

NOTE

- If you select a parameter other than "Auto", verify that the setting results in the appropriate colors.
- If no image appears, specify another digital video signal type.
- Refer to the external device's operating instructions for digital video signal types.

To specify the type of audio signals:

1 Press **HOME MENU**.

2 Select "Option". (▲/▼ then **ENTER**)

3 Select "HDMI Input". (▲/▼ then **ENTER**)

4 Select "Audio". (▲/▼ then **ENTER**)

5 Select the type of audio signals. (▲/▼ then **ENTER**)

- If you select "Auto", the panel automatically attempts to identify the type of audio signal.

Item	Description
Auto (factory default)	Automatically identifies input audio signals
Digital	Accepts digital audio signals
Analog	Accepts analog audio signals

6 Press **HOME MENU** again to exit the menu.

NOTE

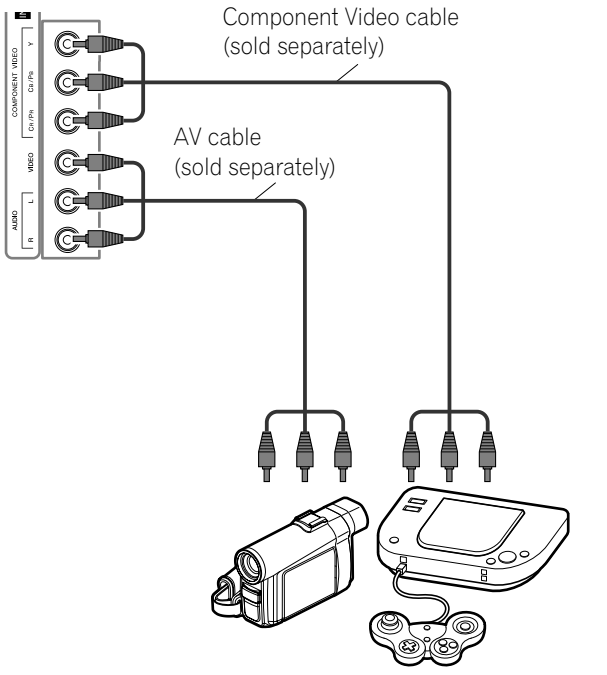
- If there is no sound, specify another audio signal type.
- Refer to the external device's operating instructions for audio signal types.
- Depending on the equipment to be connected, you may also need to connect analog audio cables.

Using a game console or watching camcorder images

Connecting a game console or camcorder

Use the INPUT 4 terminals to connect a game console, camcorder, or other audio/visual equipment.

Plasma Display (left side view)



Camcorder/Game Console

NOTE

- INPUT 4 checks for Component Video connections first then for Video.
  Use the desired connection for viewing.
- Only connect external equipment to terminals that are to be actually used.

Displaying an image of the game console or camcorder

To watch an image coming from the game console or camcorder, press **INPUT 4** on the remote control or press **INPUT** on the Plasma Display to select INPUT4.

Recording digital TV programs using a VCR

To record, connect recording equipment such as a VCR to the panel's MONITOR OUT terminals (rear of the Plasma Display).

You can also record digital TV programs more easily by using the TV Guide On Screen™ system. Connect the supplied G-LINK cable to the G-LINK terminal on the rear of the Plasma Display. Position the G-LINK cable's wand so that its light emitting section faces the remote control sensor on the recording equipment. For more information, see page 73.

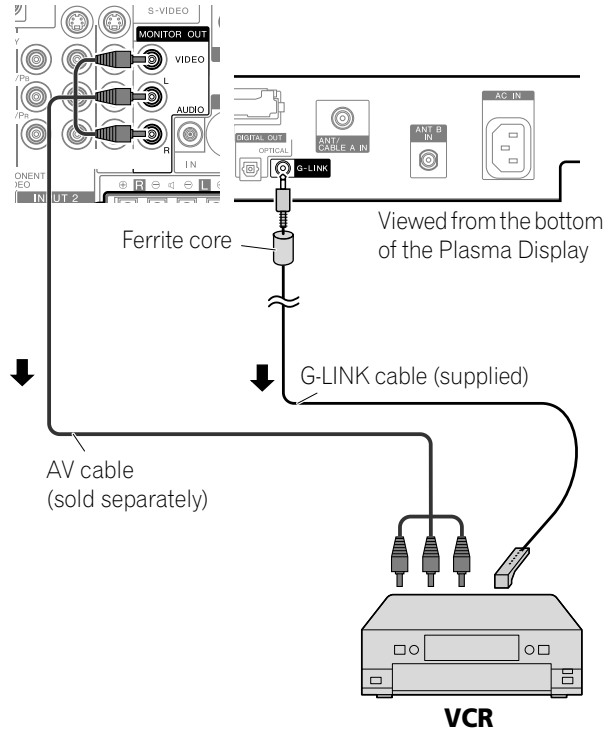
Avoiding unwanted feedback

You can prevent unwanted feedback from affecting the image quality. To block the signal from the output terminal causing interference, follow the steps below.

1. Press **HOME MENU**.
2. Select "Option". (▲/▼ then **ENTER**)
3. Select "Monitor Out". (▲/▼ then **ENTER**)
4. Select "INPUT1 Prohibit", "INPUT2 Prohibit", "INPUT3 Prohibit", "INPUT4 Prohibit", "INPUT 5 Prohibit" or "INPUT 6 Prohibit". (▲/▼ then **ENTER**)
5. Press **HOME MENU** again to exit the menu.

Connecting a recorder

Plasma Display (rear view)



NOTE

- About the MONITOR OUT terminals
  The MONITOR OUT terminals cannot output the following signals:
  - Video signals input from the COMPONENT VIDEO terminal
  - Video signals from a PC
  - Digital video and audio signals from the HDMI terminals
- When watching images from a VCR connected to the panel's MONITOR OUT, select an input source (e.g., TV channel reception) on the VCR other than an external input source. Selecting an external input source may cause distorted images or noise.
- Place the VCR in Standby when selecting TV programs to record using the TV Guide On Screen™ system.
- Using MONITOR OUT may cause delays between the speaker and AUDIO. If this delay occurs, try muting the speakers on the Plasma Display. However, you may still experience some delay between audio and video.
- The MONITOR OUT terminals cannot output any signals for networked audio or video.
- If degraded picture quality is observed while viewing copy-protected VOD movies connect the Plasma Display directly to other TV sets. Do not connect through a VCR.

Connecting other audio equipment

The panel's digital audio output terminal (optical) can output Dolby Digital signals. Using an optical digital cable, connect an AV receiver to the optical terminal on the rear of the Plasma Display. This allows high-quality audio, such as during a digital TV broadcast, to play.

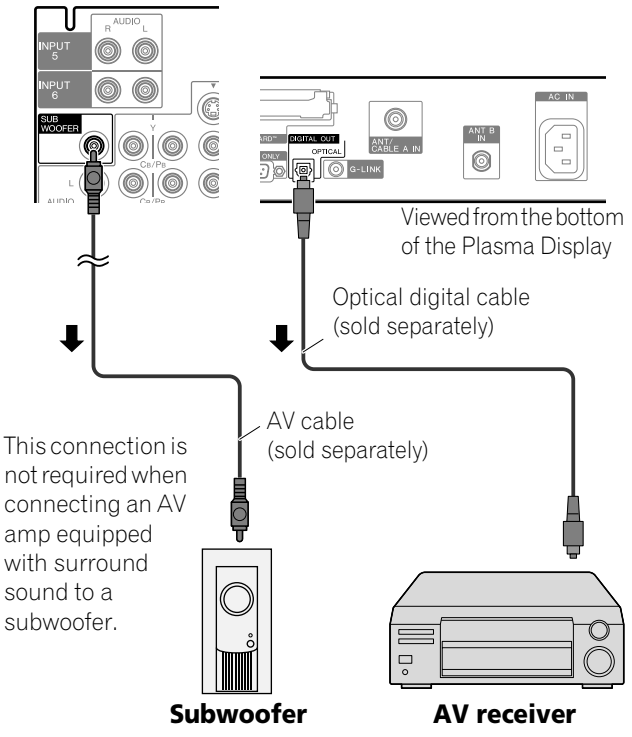
If your AV receiver does not have a digital audio input terminal (optical), connect MONITOR OUT (AUDIO) on the rear of the Plasma Display to the audio input terminals on the AV receiver. This method may cause sound delays between the speakers and AUDIO. Try muting the speakers on the Plasma Display, however, you may still experience a delay between audio and video.

NOTE

- When using the digital audio output terminal (optical), set according to the AV receiver's requirements. For more information, refer to the AV receiver's operating instructions.

Connecting an AV receiver

Plasma Display (rear view)



NOTE

- For details, refer to the audio device's operating instructions.
- The audio accompanying the images shown on the display is always output to the SUBWOOFER OUTPUT terminal.
- When signals are input from the HDMI terminals, no digital or analog signals are output from the DIGITAL OUT terminal.
- Input signals from the Home Media Gallery may cause audio delays between the speakers and OPTICAL. Try muting the speakers on the Plasma Display; however, you may still experience delays between audio and video.

Switching the optical audio signal type

Set up for the DIGITAL AUDIO output terminal (OPTICAL), according to your AV receiver's operating instructions.

1 Press **HOME MENU**.

2 Select "Option". (↑/↓ then **ENTER**)

3 Select "Digital Audio Out". (↑/↓ then **ENTER**)

4 Select "Dolby Digital" or "PCM". (↑/↓ then **ENTER**)

Item	Description
Dolby Digital (factory default)	Dolby Digital: outputs in the Dolby Digital format PCM: outputs in the PCM format
PCM	Always outputs in the PCM format regardless of the types of signals

5 Press **HOME MENU** again to exit the menu.

Watching an image from a computer

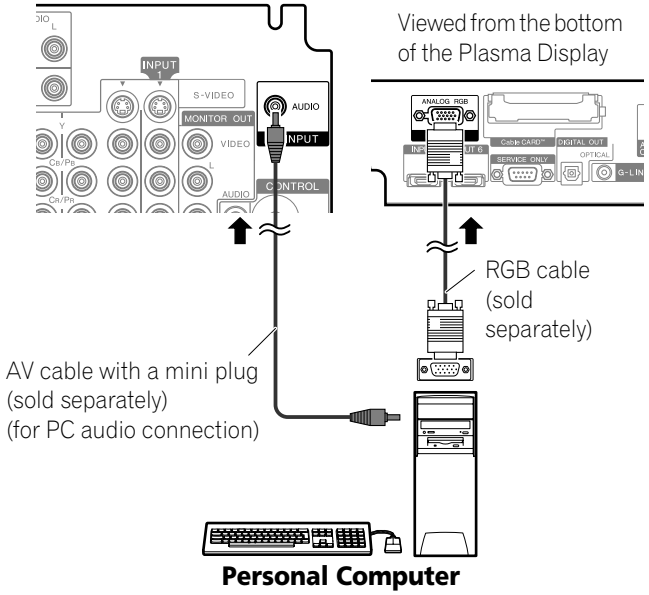
Connecting a personal computer

Use the PC terminals to connect a personal computer (PC).

NOTE

- The PC input terminals are DDC2B-compatible.
- Ability to use Plug & Play depends on the computer.

Plasma Display (rear view)



Displaying an image from a PC

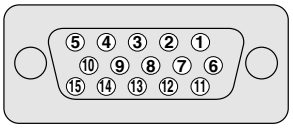
When connected to a PC, the input signal type is automatically identified. If the image from the PC does not come in clearly, you may need to use Auto Setup. See page 64.

To watch an image coming from the PC, press **PC** on the remote control or press **INPUT** on the Plasma Display to select "PC".

NOTE

- The PC terminals are for PC use only. Do not connect audio/visual equipment to PC terminals.

Signal names for 15-pin mini D-sub connector



(front view)

Pin No.	Signal name
1	R
2	G
3	B
4	Not connected
5	Not connected
6	GND (ground)
7	GND (ground)
8	GND (ground)
9	+5V
10	GND (ground)
11	Not connected
12	SDA
13	HD
14	VD
15	SCL

NOTE

- An Apple® Macintosh® adaptor may be required for use with some Macintosh computers.

Computer compatibility chart

Resolution	Frequency
720 × 400	70 Hz
640 × 480	60 Hz
	72 Hz
	75 Hz
800 × 600	56 Hz
	60 Hz
	72 Hz
	75 Hz
1024 × 768	60 Hz
	70 Hz
	75 Hz
1360 x 768	60 Hz

G-LINK™ connection

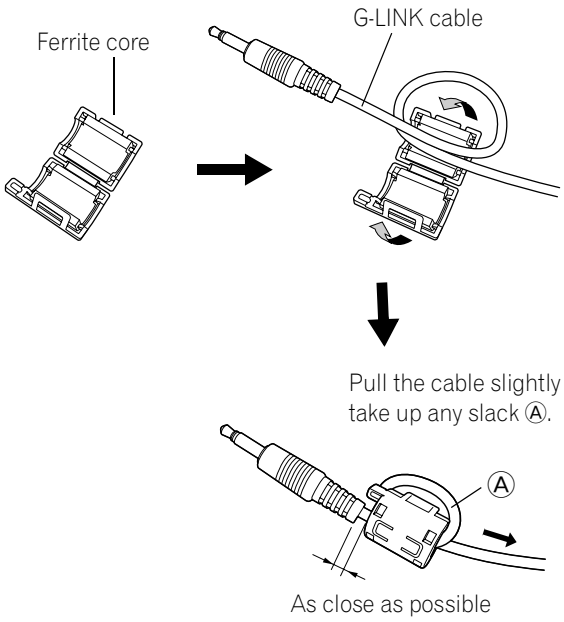
To record with a VCR through the TV Guide On Screen™ system, connect the VCR to the panel using the G-LINK cable.

NOTE

- In order to use a VCR with the TV Guide On Screen™ system, confirm the factors listed below. See "TV Guide On Screen™ System Setup" on page 32.
- The G-LINK cable's wand must be positioned so that its light emitting section faces the VCR's remote control sensor.
- The VCR is in Standby when selecting TV programs to record using the TV Guide On Screen™ system.
- Avoid the cable loops when making the connection.

Attaching the ferrite core

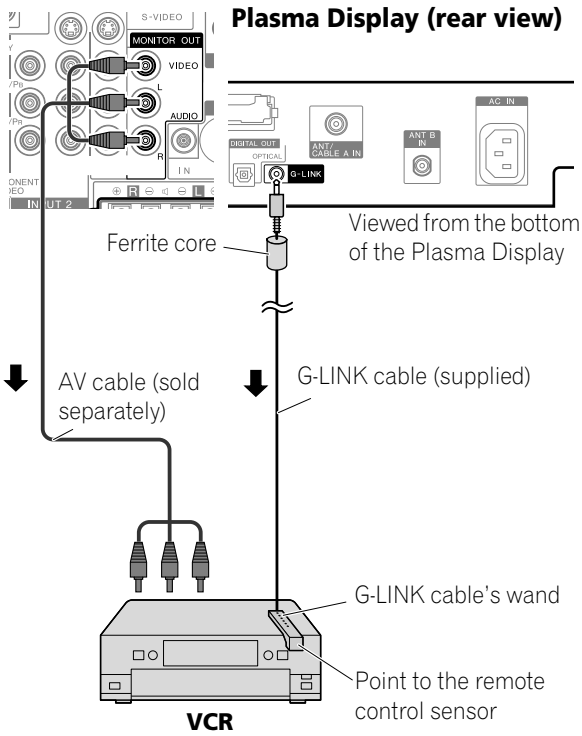
To help prevent noise, attach the supplied ferrite core to the connector end of the G-LINK cable as shown.



CAUTION

- Regarding the G-LINK cable, attach the supplied ferrite core. If you do not do this, this Plasma Display will not conform to mandatory FCC standards.

When connecting the VCR



Connecting control cables

Connect control cables between the Plasma Display and other PIONEER equipment having the SR logo. These control cables carry commands from a Pioneer device through its remote control to the remote control sensor on the Plasma Display.

After the CONTROL IN terminals have been connected, the remote control sensors on the device does not accept commands from the remote control. Point the remote control at the remote control sensor on the Plasma Display to operate the device.

NOTE

- Make sure that the power is turned Off when connecting cables.
- Connect all components before plugging cables into the panel.

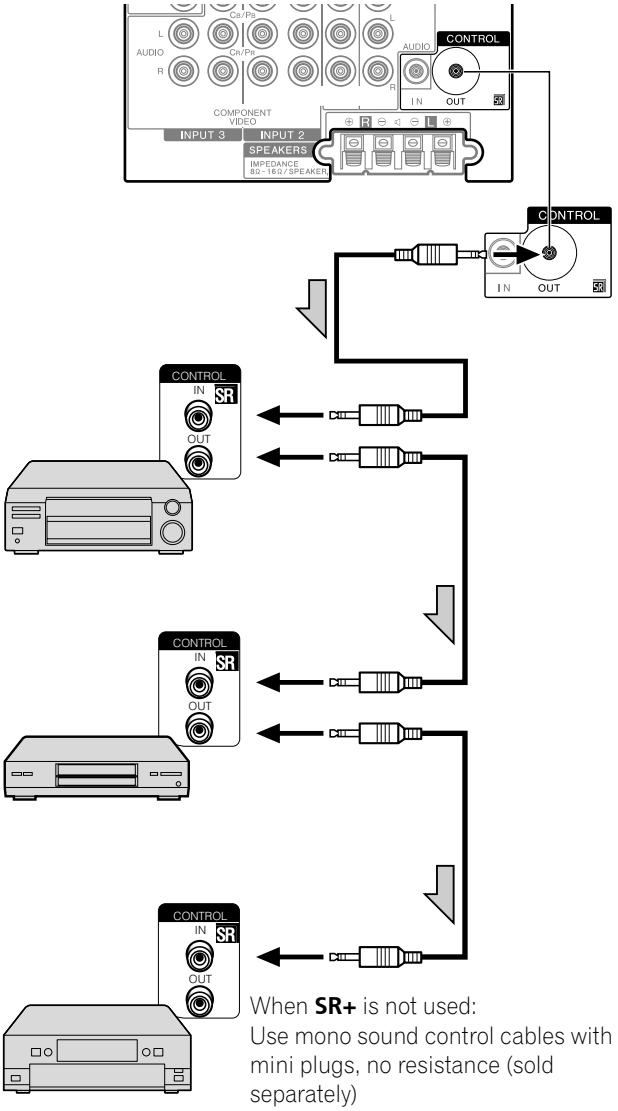
About SR+

The CONTROL OUT terminal on the rear of the Plasma Display supports **SR+**. This terminal supports linked operations with a PIONEER AV receiver. **SR+** includes functions such as input switch linkage operation and DSP surround display. For more information, see the Pioneer AV receiver's operating instructions regarding **SR+** support.

NOTE

- When connecting control cables, use the **SR+** cable.
- When connecting one or more Pioneer devices, directly connect the Plasma Display and an **SR+** supported Pioneer amplifier. Do not daisychain other equipment between the Pioneer units.
- When operating devices using **SR+**, volume on the Plasma Display is lowered temporarily.

Plasma Display (rear view)



When **SR+** is not used:
Use mono sound control cables with mini plugs, no resistance (sold separately)
When **SR+** is used:
Use the SR+ cable (sold as an option).

Enjoying the Home Media Gallery

With Home Media Gallery, you can enjoy digital content such as movies, music and photo files. These files can be saved on one or more media servers connected by a home network (LAN) or from content stored on USB devices. After connecting via an Ethernet hub to a media server with network software*, you can navigate through the server's digital content using the Plasma Display. For USB interface, the Plasma Display supports Mass Storage Class devices.

* *Referred to as a "media server" that contains digital content such as movies, music and photo files. PCs that have pre-installed media server software and recorders with a media server function are considered the media server. Use PCs that have a Windows Media Connect (WMC) server or DLNA compliant server for the Home Media Gallery function.*

Take a Windows Media Connect (WMC) server for example: Microsoft Media Server is freeware and works with any music juke-box type software, although is optimized for Windows Media Player.

Installing Windows Media Connect

Before installing Windows Media Connect, make sure that Windows XP SP2 and other required software are installed. See Microsoft Website for details regarding minimum system requirements and installation procedures.

1 **Download the most recent version of Windows Media Player**
This can be downloaded either directly from the Microsoft Website, or using the Windows Update Installer.

2 **Download the most recent Windows Media Connect software**
This can be downloaded either directly from the Microsoft Website, or using the Windows Update Installer.

Supported file formats

The table below shows supported file formats that can be played back or displayed on the Plasma Display. These formats are applicable to both network and USB sources. However, media server content protected by digital rights management, such as WMDRM10 (Digital Rights Management for Windows Media 10), may not play on the Plasma Display.

Type of files	Format
Movie	MPEG PS (mpg, mpeg, mpe, m2p), MPEG-2 TS/TTS, WMV (asf, wmv), MPEG4 (mp4)
Music	MP3 (mp3), LPCM, WAV (wav), WMA (asf, wma)
Photo	JPEG (jpg, jpeg), BMP (bmp), PNG (png), TIFF (tif, tiff), GIF (gif)

- Some formats may not be supported depending on the server type or version used.
- Even with the format included in the above table, some functions may not operate properly depending on the content.
- Even with the format included in the above table, some files may not be played properly through a USB device.

NOTE

- Content may not play or display properly depending on the conditions of use.
- Sources for this panel include media servers that support DLNA (Digital Living Network Alliance) and Windows Media Connect (WMC) running on the LAN network, or SD Card, MS, MMC, xD Picture and CF that comply with the Mass Storage File System through a USB interface.
- Supported formats and contents are subject to change. Visit the Pioneer website for updated information: http://www.pioneerelectronics.com
- The Home Media Gallery functions as a WMDRM10-ND (Microsoft Windows Media DRM for networked devices). Content can only be navigated from the media servers that support WMDRM10-ND.
- The system may not be able to display content from incompatible memory cards.
- You cannot use the Home Media Gallery until dimmed elements on the menu screen turn white.

Digital Audio Output terminal (Optical)

NOTE

- When using the optical output terminal for networked audio or video:
  If the Plasma Display and audio system are in the same room, you may experience an audio delay between the plasma speakers and the audio system. Try muting the speakers on the Plasma Display to correct this delay. However, this action may cause delays between audio and video.

Making network connections

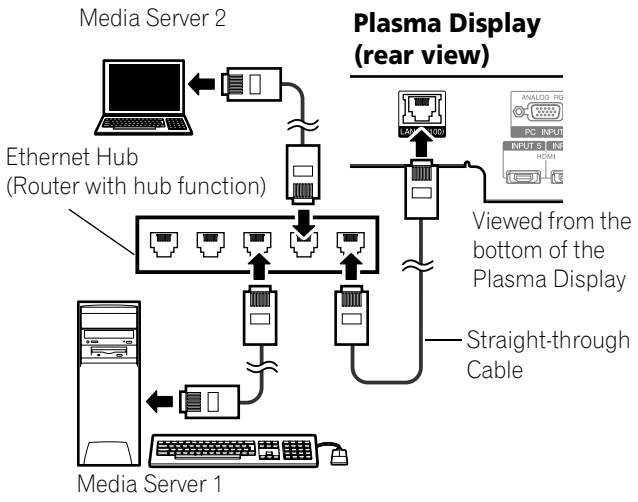
To connect to a network, set up the Home Media Gallery through the panel's menu. Connect to a home network (LAN) via an Ethernet hub or cable directly to a media server.

NOTE

- Although the Home Media Gallery supports 10BASE-T, it is better to use 100BASE-TX for improved display quality and speed.

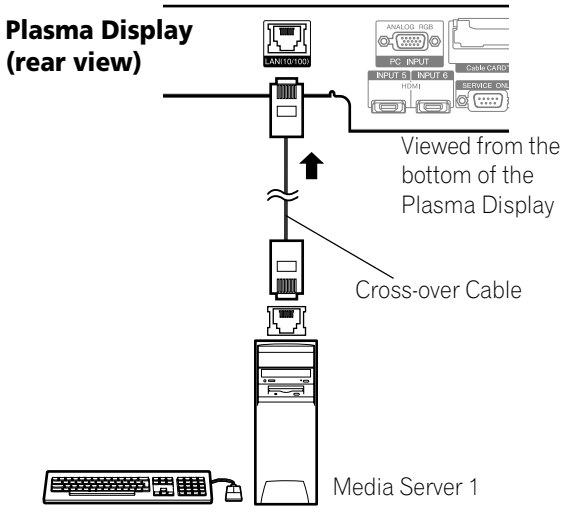
Connecting via an Ethernet hub

If you already operate one or more media servers on a local area network (LAN), connect the Plasma Display to the Ethernet (LAN) hub using a standard ("straight-through") Ethernet (LAN) cable. See the diagram below.



Connecting directly to a Media Server

To run a PC as a media server, connect the Plasma Display directly to the PC using a twisted ("cross-over") Ethernet (LAN) cable. See the diagram below.



Confirming the IP Address

After making the network connection, follow the instructions below to confirm the panel's IP Address before accessing the network. (The setup is effective for "Auto" only. To perform the procedure, DHCP on your server or router must be valid.)

1. Press **HOME MENU**.
2. Select "Home Media Gallery" (↑/↓ then **ENTER**).
3. Select "Setup" (↑/↓ then **ENTER**).
4. Select "Network Setup" (↑/↓ then **ENTER**).
5. Select "Automatically acquire IP" (↑/↓/←/→ then **ENTER**).
   - The screen turns from "Select" mode to "Input" mode.
6. Select "Yes" (↑/↓ then **ENTER**).
   - The IP Address is automatically assigned.
   - The Home Media Gallery supports Auto IP and DHCP (Dynamic Host Configuration Protocol). If the system failed to acquire the IP Address or if you want to obtain different addresses, select "No" then enter "IP Address" and "Subnet mask". Use the **0** to **9** and ↑/↓/←/→ buttons to enter an address, then press **ENTER**. You do not need to enter "Default Gateway" and "DNS Server".
7. Select "OK" (↑/↓ then **ENTER**).
   - The "Reset" dialog appears on screen.
8. Select "OK" and press **ENTER**.
   - The home network module restarts.
   - A message "Setting up Home Media Gallery. Please wait until initialized." appears on screen.
   - When the initialization is finished, setting values become effective and the top menu of the Home Media Gallery returns.

NOTE

- For information on DHCP, refer to network device's operating instructions.
- You may need to contact your service provider or network administrator when manually entering an IP Address.
- Some media servers block or are programmed to block access to client servers. When connecting the Plasma Display, check the media server for client server access rights.

Connecting a USB device

You can also enjoy content stored on memory cards by connecting a USB device to the Plasma Display. When you insert a USB memory or multi-card reader into the USB port, the root directory or the Device List screen appears. In addition, you can connect your digital camera directly to the Plasma Display using a USB connector cable.

1. Press **HOME MENU**.
2. Select "Home Media Gallery" (↑/↓ then **ENTER**).
3. Select "USB" (↑/↓ then **ENTER**).
   - The Device List is displayed on screen with the selected device highlighted if you have not checked in the "Single Server/USB" box after selecting "Setup" and then "Auto Connection Setup". If you have checked in the box, the list is skipped.

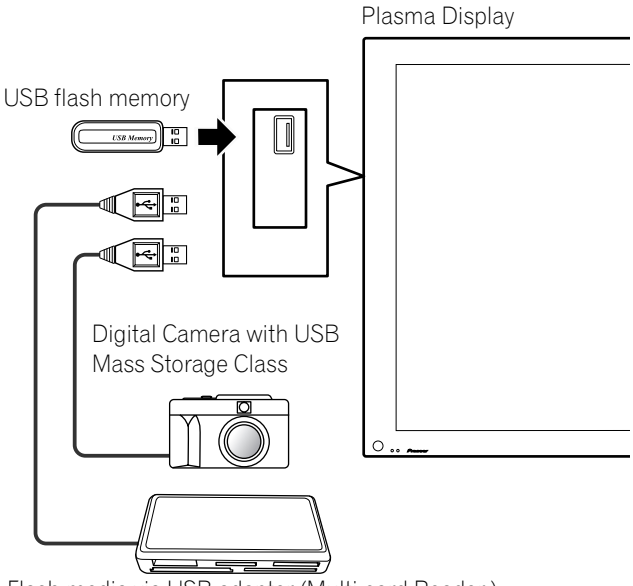
4 Select the desired device (▲/▼ then **ENTER**).
- You can select a device only when the Device List is displayed.

5 Press **ENTER** to navigate to a folder or play a file/content.
- To return to the previous screen, press **RETURN**.

6 Press **HOME MENU** again to exit the Home Media Gallery.

NOTE

- If the Home Media Gallery is launched and the "Single Server/USB" box is checked after selecting "Setup" and then "Auto Connection Setup", the system displays the root directory immediately after inserting a USB device. In this case, you can start from step 5. When a multi-card reader is inserted, the Device List appears with the selected device highlighted. In this case, you can start from step 4.



Flash media via USB adapter (Multi-card Reader)

Readable memory cards

This system reads FAT12, FAT16, FAT32, or VFAT Memory Cards.

Readable data files

Movie, music and photo files can also be played with the exception of Digital Rights Management for Windows Media 10 (DRM) protected files.

NOTE

- A single USB device can be connected at a time and no USB hub connected.
- This system may not be able to display modified or edited content from a PC or other equipment.
- This system supports the USB Mass Storage Class.
- Some digital cameras may require a setup procedure for Mass Storage Class data transfer. The setup is done on the camera. See the operating instructions supplied with the digital camera.

Removing a USB device

To remove a USB device, exit the Home Media Gallery first and then disconnect the device.

NOTE

- Be sure to exit the Home Media Gallery screen before removing the USB device. If you remove the USB device while the Home Media Gallery screen is displayed, data inside the memory may be damaged.
- Do not insert or remove the USB device immediately after the system is switched On or Off. This action may cause data inside the memory to be damaged.
- PIONEER is not liable for any loss or damage to the data inside the USB memory.

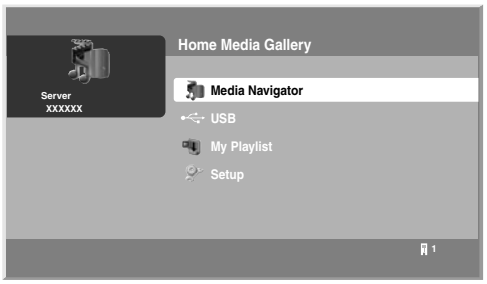
Starting the Home Media Gallery function

1 Press **HOME MENU**.

2 Select "Home Media Gallery" (▲/▼ then **ENTER**).

3 Select "Media Navigator", "USB", "My Playlist" or "Setup" (▲/▼ then **ENTER**).
- To return to the previous screen, press **RETURN**.

4 Press **HOME MENU** again to exit the Home Media Gallery.



Navigating the files and folders

By selecting Media Navigator, the previously selected server menu is automatically displayed on the screen by default (page 90). When only one server is found, the system automatically connects the server. You can also use the Tool Menu to switch to another server or manually select a server from the Server List. The display is automatically changed to a server list if there are no previously navigated servers.

1 Press **HOME MENU**.

2 Select "Home Media Gallery" (▲/▼ then **ENTER**).

3 Select "Media Navigator" (▲/▼ then **ENTER**).
- A server menu appears. The file/folder configuration may vary depending on the server selected.
- After selecting a category, folder or container and navigating on subsequent screens, you can find a file and start the appropriate Player depending on the selected file.

4 Select the desired folder to navigate or file/content to play (◀/▶ or ▲/▼ then **ENTER**).

5 Press **ENTER** to display a subsequent screen.
- Subsequent screen(s) appears.
- To return to the previous screen, press **RETURN**.

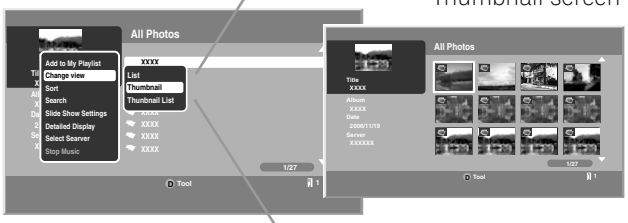
6 Press **HOME MENU** again to exit the Home Media Gallery.

Selectable screen display

Menu display options are: “List”, “Thumbnail” or “Thumbnail List”. Press **D** then select “Change view” from the Tool Menu to choose from the screen display options.

List screen

Thumbnail screen



Thumbnail List screen

Using the Tool Menu

Press **D** on the remote control to access the pop-up Tool Menu. Various play and display modes can be selected from the Tool Menu. The selectable menu items differ depending on the submenu (see the table below).

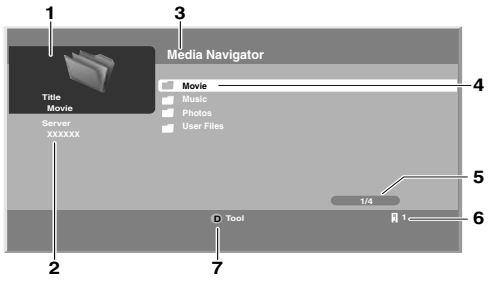
Menu items	Function	Screen on which Tool Menu is available
Update to Latest Information	Updates the server connection status	Server List (connected/ not connected)
Delete Server	Deletes the server(s) that are dimmed on the list	Server List (server not connected)
USB Devices List	Moves to the USB Devices List screen	Folder Contents List (USB)/Contents List (USB)
Consecutive Playback*1	Continuously plays video content starting from the selected item	Media Navigator/Folder Contents List/Contents List
Detailed Display*1	Displays the detailed information on the selected content	Media Navigator/Folder Contents List/Contents List
Sort	Sorts items in Folder or Contents List	Media Navigator/Folder Contents List/Contents List
Search	Searches the desired items in Folder or Contents List by word	Folder Contents List/ Contents List
Slide Show Setup	Used to set up a slide-show on the Photo Player	Server List/Media Navigator/USB/My Playlist/Playlist List (Movie/Music/Photo)/ Folder Contents List/ Contents List/Photo Player
Add to My Playlist*1	Adds the selected files to My Playlist	Media Navigator/Folder Contents List/Contents List/Movie Player/Music Player/Photo Player
Select Server	Moves to the Server List screen	Media Navigator/Folder Contents List/Contents List
Stop Music*2	Stops playback of a music file	Media Navigator/ Playlist List (Movie/ Music/ Photo)/Folder Contents List/Contents List/Music Player/Photo Player
Change Name	Used to change content names in My Playlist	Playlist List (Movie/ Music/Photo)
Change view	Switches the screen display to List, Thumbnail, or Thumbnail List	Folder Contents List/ Contents List
Time Search	Starts playback at the preset time on the Movie or Music Player screen	Movie Player/Music Player
Slow Playback	Plays back in the slow mode on the Movie or Music screen	Movie Player/Music Player
BGM Setup	Used to set up the slide-show BGM on the Photo Player	Photo Player
Move	Moves the order of content in My Playlist	Contents List (Playlist)
Delete from My Playlist*1	Deletes the selected content from My Playlist	Contents List (Playlist)

*1 *When a file is selected*
*2 *While music is played*

Media Navigator

While navigating through the folders a media server provides, you can select the desired file to start the corresponding player by pressing **ENTER**.

Screen Components



1 Thumbnail of the file selected (if obtained)
2 Name of the server currently selected
3 Current menu level
4 Item being selected (highlighted in yellow)
5 File number/total number of files
6 Number of servers connected
7 Key guide

NOTE

- The Media Navigator is not launched depending on the option selected in "Auto Connection Setup" (page 90). The screen displays after selecting a server in the server list.

USB

Like navigating through the media servers, you can select the desired file contained in the device selected on the USB Devices List screen to start the corresponding player by pressing **ENTER**. You can also select the menu displayed on either "List", "Thumbnail" or "Thumbnail List" screen. Press **D** and select "Change view" from the Tool Menu.

NOTE

- The USB Devices List screen may not be displayed depending on the option selected in "Auto Connection Setup". "Single Server/USB" is selected for "Auto Connection Setup" by default. You don't need to select a device in the USB Devices List when you use a single directory device (USB memory).

My Playlist

Each category (Movie, Music and Photo) has five different Playlists in which you can register up to 100 files each. The My Playlist option can contain sound and image files selected in the "Media Navigator". To edit a Playlist, use the Tool Menu (page 78).

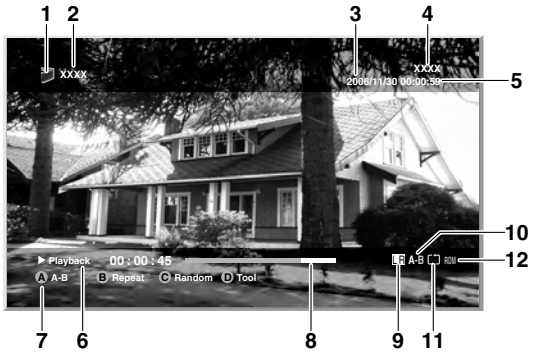
1 Press **HOME MENU**.
2 Select "Home Media Gallery" (↑/↓ then **ENTER**).
3 Select "My Playlist" (↑/↓ then **ENTER**).
4 Select a Playlist list from "Movie Playlist", "Music Playlist" or "Photo Playlist" (↑/↓ then **ENTER**).
5 Select the desired content (←/→ or ↑/↓ then **ENTER**).
   • The menu can be displayed as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select "Change view" from the Tool Menu (↑/↓ then **ENTER**).
6 Press **ENTER** to play or display.
   • To return to the previous screen, press **RETURN**.
7 Press **HOME MENU** again to exit the Home Media Gallery.

Enjoying movie files

You can display the menu as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select an option under "Change view" on the Tool Menu. You can also navigate through the subsequent or preceding menu levels in the server or USB device by pressing ↑/↓/←/→/**ENTER**. When you select movie content from the server menu on the Media Navigator screen, the Movie Player automatically launches. Select a category, folder, or device to access the submenu containing the required file or content.

The Movie Player screen appears when you select a movie file from My Playlist, just like selecting a file in the server.

Screen Components



1 Movie icon
2 Title (Category or Folder name)
3 Date
4 Album name
5 Play time
6 Play status
7 Key guide
8 Progress bar
9 Audio mode icon
10 A-B repeat mode icon
11 Repeat mode icon
12 Random mode icon (appears when the mode is valid)

Movie Player key guide

ENTER:	Pauses while playback or plays back while in PAUSE
←:	Fast reverse during playback or when in PAUSE. Each press toggles the reverse speed between x 2, x 4, x 8, x 20, x 50, and x 100 or the slow mode speed between x 1/2, x 1/4, x 1/8, and x 1/16. When the beginning of the content is reached, it pauses.
→:	Fast forward while playback or PAUSE. Each press toggles the forward speed between x 2, x 4, x 8, x 20, x 50, and x 100 or the slow mode speed between x 1/16, x 1/8, x 1/4, and x 1/2. When the end of the content is reached, it pauses.
↑:	Skips 15 seconds backward and plays back or pauses while in PAUSE
↓:	Skips 15 seconds forward and plays back or pauses while in PAUSE
► (PLAY):	Plays back the content
II (PAUSE):	Pauses the playback
■ (STOP):	Stops the Player and returns to the previous screen (List/Thumbnail/Thumbnail List)
►► (FF):	Same as → (only fast forward function while in the slow mode)
◄◄ (RWD):	Same as ← (only fast reverse function while in the slow mode)
A (BLUE):	Sets A-B repeat mode. Sets the desired point A to start and B to end during playback. To cancel the mode, press **A (BLUE)** on the remote control.
B (RED):	Every press toggles the repeat mode between "No Repeat" and "Repeat Once" or between "No Repeat", "Repeat Once" and "Repeat All" while in Playlist
C (GREEN):	Available only in Playlist or "Consecutive Playback" mode. Every press toggles the random mode between "Random Off" and "Random On".
D (YELLOW):	Switches the Tool Menu display on and off. Even if the Tool Menu is displayed while content is played back, a movie is kept playing but the time counter and progress bar do not function.
INFO:	Displays the Player status at the bottom of the screen while a movie is played back. Another press of the key displays a key guide, as well. Pressing the key once more cancels all the information display.
MTS:	Every press of the key toggles the audio mode between "L + R", "L" and "R"
RETURN:	Same function as **STOP**
VOL+, VOL-:	Adjusts the sound volume
MUTING:	Mutes the sound
HOME MENU:	Quit the Home Media Gallery and returns to the last entry screen. Resumes the content selected again on the Home Media Gallery.

Play modes		
Time Search	(Tool Menu)	Plays back the selected content from the time preset on the Movie Player
Slow Playback	(Tool Menu)	Plays back the content in slow mode on the Movie or Music Player
Add to My Playlist	(Tool Menu)	Adds the selected content to My Playlist List (Not available while movie content in the Playlist is played back.)
Stop Movie Player	**■ (STOP), RETURN**	Stops the Movie Player
Fast Forward/ Fast Reverse	←/→, ◄◄/►►	See the key guide table
Forward/ Reverse (15 sec.)	↑/↓	See the key guide table
Play	**ENTER, ► (PLAY)**	See the key guide table
A-B Repeat Mode	**A (BLUE)**	See the key guide table
Repeat Mode	**B (RED)**	See the key guide table
Random Mode	**C (GREEN)**	See the key guide table
(Tool Menu)	**D (YELLOW)**	See the key guide table

NOTE

- Some functions may not be supported depending on the server type or version used.
- During playback, an error may arise in time-related information depending on the content or server software.
- Some functions may not be supported depending on the content.

Time Search

1 In playback mode or PAUSE, press **D** then select "Time Search" from the Tool Menu (↑/↓ then **ENTER**).
   - A "Time Search" dialog screen appears.

2 Select "Hour" and/or "Minute" for "Input Time" (↑/↓ then **ENTER**).
   - Enter the desired time using buttons **0** to **9**.

3 Press **ENTER** after the entry is complete.

4 Select "OK" (↑/↓ then **ENTER**).
   - The movie begins playing from the time you set.
   - To cancel the Time Search, select "Cancel" and press **ENTER**.

5 Press **HOME MENU** to exit the Home Media Gallery.

NOTE

- This function may not be supported depending on the content or server software.
- An error may arise in time-related information depending on the content or server software.

Slow Playback

1 In playback mode or PAUSE, press **D** then select "Slow Playback" from the Tool Menu.

2 Press **ENTER**.
- Slow playback begins.
- You can change the playback speed by pressing ←/→ while in the slow mode.
- To discontinue slow playback, press **ENTER** or **PLAY**. The system returns to the normal playback mode.

3 Press **HOME MENU** to exit the Home Media Gallery.

NOTE

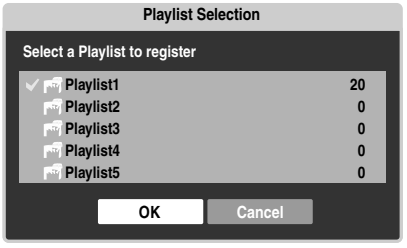
- This function may not be supported depending on the content.

Add to My Playlist

1 While navigating or playing, select the file to be added to My Playlist (↑/↓/←/→ then **ENTER**).

2 Press **D** then select "Add to My Playlist" from the Tool Menu (↑/↓ then **ENTER**).
- A "Playlist Selection" dialog screen appears.

3 Select a Playlist (↑/↓ then **ENTER**).
- A check mark is provided beside the selected Playlist.
- When you select a different Playlist and press **ENTER**, the mark jumps to the new Playlist from the previously selected one.



4 Select "OK" (↑/↓ then **ENTER**).
- The file is added to the selected Playlist.
- To cancel the operation, select "Cancel" then press **ENTER**.

5 Press **HOME MENU** to exit the Home Media Gallery.

Fast Forward/Fast Reverse

1 While playing content, press and hold ← for Fast Reverse or press and hold → for Fast Forward.

Forward/Reverse (15 sec.)

1 While playing content, press and hold ↑ or ↓ to jump backward or forward in 15-second increments.

A-B Repeat Mode

1 While playing content, press **A** where you want repeat to start.

2 Press **A** again where you want repeat to end.
- The Player status appears on the screen and the A-B mode icon changes.
- The selected movie scenes are repeatedly played back.
- To return to normal mode, press **A** again while in the A-B repeat mode.

3 Press **HOME MENU** to exit the Home Media Gallery.

NOTE

- The A-B repeat function is only available during playback in normal mode.

Repeat Mode

1 While playing content in the Media Navigator or USB device, press **B** to select "Repeat Once".
- The title being played is repeated.

2 Press **B** again to cancel the repeat mode ("Repeat Off" is selected).
- After playing the currently selected title, the Player stops.

3 Press **HOME MENU** to exit the Home Media Gallery.

NOTE

- When playing content in the Playlist, you can select from "Repeat Off", "Repeat All" (plays all items in the Playlist repeatedly) or "Repeat Once" (plays the content being watched repeatedly).

Random Mode

1 While playing content in the Playlist, press **C** to select "Random On".
- Random Repeat playback starts.

2 Press **C** again to cancel the random mode ("Random Off" is selected).

3 Press **HOME MENU** to exit the Home Media Gallery.

NOTE

- The Random Repeat mode is only available for content in the Playlist, or in "Consecutive Playback" mode.

Enjoying music files

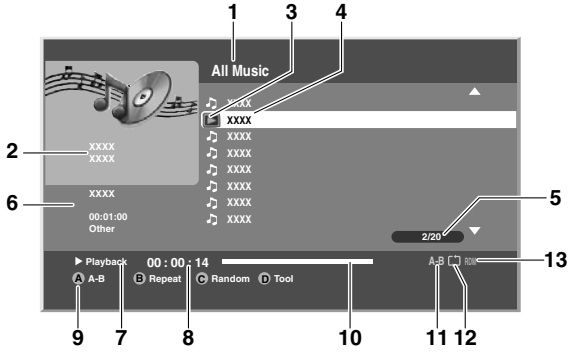
You can display the menu as a “List”, “Thumbnail” or “Thumbnail List” screen. Press **D** then select an option under “Change view” on the Tool Menu. You can also navigate through the subsequent or preceding menu levels in the server or USB device by pressing ↑/↓/←/→/**ENTER**.

When you select music content from the server menu on the Media Navigator screen, the Music Player automatically launches. Select a category, folder, or device to access the submenu containing the required file or content. The Music Player screen appears when you select a music file from My Playlist, just like selecting a file in the server.

NOTE

- The Music Player only displays a “List” screen.

Screen Components



1 Title (Category or Folder name)
2 Jacket image (Music icon)
3 Music status icon
4 Contents list
5 Number of items
6 Detailed display
7 Play status
8 Time counter
9 Key guide
10 Progress bar
11 A-B repeat mode icon
12 Repeat mode icon
13 Random mode icon

Music Player key guide

↑:	Moves up a cursor to a title above
↓:	Moves down a cursor to a title below
ENTER:	Plays back the selected music content. Pauses the music content being played if it is highlighted in the Playlist screen or plays the selected music content if different content is highlighted by pressing ↑/↓.
←:	Fast reverse during playback or when in PAUSE. Each press toggles the reverse speed between x 2, x 4, x 8, x 20, x 50, and x 100. When the beginning of the content is reached, it pauses.
→:	Fast forward during playback or when in PAUSE. Each press toggles the forward speed between x 2, x 4, x 8, x 20, x 50, and x 100. When the end of the content is reached, it pauses.
RETURN:	Returns to the previous screen (List/Thumbnail/ Thumbnail List). Content being played does not stop.
► (PLAY):	Plays back the selected content. Pauses while in playback and plays while in PAUSE.
II (PAUSE):	Pauses the playback
■ (STOP):	Stops the Player and does not return to the previous screen (Selecting the “Stop Music” from the Tool Menu also stops the Player.)
►► (FF):	Same as →
◄◄ (RWD):	Same as ←
A (BLUE):	Sets A-B repeat mode. Sets the desired point A to start and B to end during playback. To cancel the mode, press **A (BLUE)** on the remote control.
B (RED):	Every press toggles the repeat mode between “No Repeat”, “Repeat Once” and “Repeat All”
C (GREEN):	Every press toggles the random mode between “Random Off” and “Random On”
D (YELLOW):	Displays the Tool Menu. Even if the Tool Menu is displayed while content is played back, music is kept playing but the time counter and progress bar do not function.
PAGE+, PAGE-:	Available only when there are one or more pages in the content. Change the pages back and forth.
VOL+, VOL-:	Adjusts the sound volume
MUTING:	Mutes the sound
HOME MENU:	Quit the Home Media Gallery and returns to the last entry screen

NOTE

- Files may not be played back properly depending on the content.

Play modes		
Add to My Playlist	(Tool Menu)	Adds the selected content to My Playlist List (Not available while music content is played back.)
Time Search	(Tool Menu)	Plays back the selected content from the time preset on the Music Player
Stop Music	(Tool Menu), **■ (STOP)**	Stops the Music Player
Fast Forward/ Fast Reverse	←/→, ◀◀/▶▶	See the key guide table
Moves Up/Down a cursor	↑/↓	See the key guide table
Play	**ENTER**, **► (PLAY)**	See the key guide table
A-B Repeat Mode	**A (BLUE)**	See the key guide table
Repeat Mode	**B (RED)**	See the key guide table
Random Mode	**C (GREEN)**	See the key guide table
(Tool Menu)	**D (YELLOW)**	See the key guide table

- Setup procedures for the above play modes are the same as for the Movie Player.
- Refer to page 78 for the color button **D** (Tool Menu).

NOTE

- Some functions may not be supported depending on the server type or version used.

A-B Repeat Mode

1 While playing content, press **A** where you want repeat to start.

2 Press **A** again where you want repeat to end.
- The Player status appears on the screen and the A-B repeat mode icon changes.
- The selected part of the title is repeatedly played back.
- To return to normal mode, press **A** again while in the A-B repeat mode.

3 Press **HOME MENU** to exit the Home Media Gallery.

NOTE

- The A-B repeat function is only available during playback in normal mode.

Repeat Mode

1 While playing content in the Media Navigator, USB device or Playlist, press **B** to select "Repeat All".
- All titles in the folder or Playlist are played repeatedly.

2 Press **B** again to cancel the repeat mode ("Repeat Once" is selected).
- The title being played is repeated.

3 Press **B** once more to cancel the repeat mode ("Repeat Off" is selected).
- After playing the currently selected title, the Player stops.

4 Press **HOME MENU** to exit the Home Media Gallery.

Random Mode

1 While playing content in the Playlist, press **C** to select "Random On".
- Random Repeat playback starts.

2 Press **C** again to cancel the random mode ("Random Off" is selected).

3 Press **HOME MENU** to exit the Home Media Gallery.

Enjoying photo files

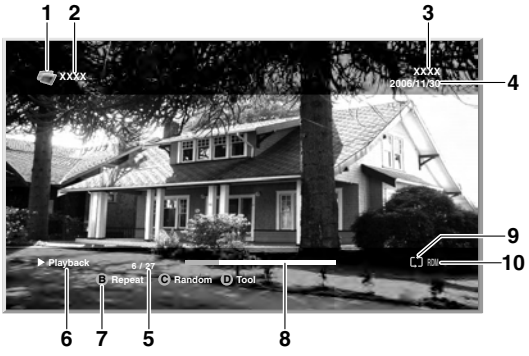
You can display the menu as a "List", "Thumbnail" or "Thumbnail List" screen. Press **D** then select an option under "Change view" on the Tool Menu. You can also navigate through the subsequent or preceding menu levels in the server or USB device by pressing ↑/↓/←/→/**ENTER**.

When you select photo content from the server menu on the Media Navigator screen, the Photo Player automatically launches. The selected content is displayed in full screen by pressing **ENTER**. Select a category, folder or device to access the submenu containing the required file or content.

Pressing **ENTER** again allows a slideshow to begin. After a slideshow launches, pressing **ENTER** toggles between "PLAY" and "PAUSE". Instead of pressing **ENTER** twice, you can press **PLAY** to start the slideshow immediately.

The Photo Player screen appears when you select a photo file from My Playlist, just like selecting a file in the server.

Screen Components



1 Photo icon
2 Title (Category or Folder name)
3 Album name
4 Date
5 Number of items
6 Play status
7 Key guide
8 Progress bar
9 Repeat mode icon
10 Random mode icon

Photo Player key guide

ENTER:	Starts displaying a photo or playing a slideshow. Pauses while playback or plays back while in PAUSE.
RETURN:	Stops the Player and returns to the previous screen (List/Thumbnail/Thumbnail List)
←, ↑:	Displays the previous image content
↓, →:	Display the next image content
► **(PLAY):**	Plays a slideshow
II (PAUSE):	Pauses the slideshow
■ **(STOP):**	Stops the Player and returns to the previous screen (List/Thumbnail/Thumbnail List)
►► **(FF):**	Rotates the image 90º clockwise. Each press toggles the rotation angle by 90º between 90º, 180º, 270º and 0º.
◄◄ **(RWD):**	Rotates the image 90º counter-clockwise. Each press toggles the rotation angle by 90º between 270º, 180º, 90º, and 0º.
A (BLUE):	Rotates the image 90º clockwise. Each press toggles the rotation angle by 90º between 90º, 180º, 270º and 0º.
B (RED):	Every press toggles the repeat mode between "No Repeat" and "Repeat All"
C (GREEN):	Every press toggles the random mode between "Random Off" and "Random On"
D (YELLOW):	Displays the Tool Menu. If the Tool Menu is displayed while a slideshow is played, the slideshow and BGM are paused.
INFO:	Displays the Player status at the bottom of the screen while image content is played. Another press of the key displays a key guide, as well. No Player information is displayed when an image is shown in full screen (no slideshow has been started). Other information may display. Pressing the key once more cancels all the information display.
VOL+, VOL-:	Adjusts the sound volume
MUTING:	Mutes the sound
HOME:	Replaced by the Home Menu key. Quit the Home Media Gallery and returns to the last entry screen.

Play modes		
BGM Setup	(Tool Menu)	Sets up BGM
Slide Show Setup	(Tool Menu)	Allows various slideshow setups on the Photo player
Add to My Playlist	(Tool Menu)	Adds the selected content to My Playlist List (Not available while photo content is displayed.)
Stop Photo Player	■ **(STOP), RETURN**	Stops the Photo Player
Move File Forward/ Backward	(←/→/↑/↓)	See the key guide table
Slideshow	**ENTER,** ► **(PLAY)**	See the key guide table
Rotate	**A (BLUE),** ◄◄/►►	See the key guide table
Repeat Mode	**B (RED)**	See the key guide table
Random Mode	**C (GREEN)**	See the key guide table
(Tool Menu)	**D (YELLOW)**	See the key guide table

- Setup procedures for the above play modes are the same as for the Movie Player.
- Refer to page 78 for the color button **D** (Tool Menu).

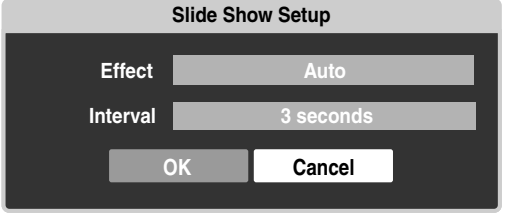
NOTE

- Some functions may not be supported depending on the server type or version used.
- In rare cases, the image on the screen may appear jagged when photo content is selected directly from a USB device. If this is the case, the problem may be solved by viewing the photo content through the network after having transferred it to the server PC.
- Even with the supported format, files may not be played properly depending on the content.

Setting up the slideshow

You can enjoy a slideshow with music in the background. To activate this feature, you must register music content in My Playlist List beforehand (see "My Playlist" on page 79 and "Setting up BGM" on page 85).

1. Press **HOME MENU**.
2. Select "Home Media Gallery" (↑/↓ then **ENTER**).
3. Select "Media Navigator" (↑/↓ then **ENTER**).
4. Press **D**.
   - A pop-up screen of the Tool Menu appears.
5. Select "Slide Show Setup" (↑/↓ then **ENTER**).
6. Select the desired setup item (↑/↓ then **ENTER**).
7. Enter the setting in the "Effect" or "Interval" box (↑/↓ then **ENTER**).
   - Repeat steps 6 and 7 to enter another setup.



8 Select "OK" (▲/▼ then **ENTER**).
- The slideshow setup finishes.

NOTE

- After setting the "Interval" time, it may take longer than the preset time until the next image is obtained.

Starting the slideshow

1 Press **HOME MENU**.

2 Select "Home Media Gallery" (▲/▼ then **ENTER**).

3 Select photo content in the Media Navigator, USB device or My Playlist (▲/▼/◀/▶ then **ENTER**).
- The photo content is displayed in full screen.

4 Press **ENTER** or ▶(Play) to start a slideshow.
- The slideshow starts and photo images in the folder automatically display one by one. See "Setting up the slideshow" (page 84) for setting up the interval time.
- To display a key guide, press **INFO**.

5 Press **ENTER** or ❚❚ (Pause) to stop the slideshow.
- The Photo Player goes into "PAUSE".

6 Press **ENTER** again to resume the slideshow.
- To cancel the slideshow and stop the Photo Player, press **RETURN** or ■ (Stop) during the playback. The previous screen returns.

NOTE

- When you press ▲/▼/◀/▶, ◀◀/▶▶ while photo content is displayed, the Photo Player goes into "PAUSE".

Setting up BGM

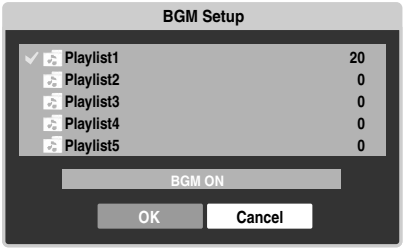
1 Press **HOME MENU**.

2 Select "Home Media Gallery" (▲/▼ then **ENTER**).

3 Select photo content in the Media Navigator, USB device or My Playlist (▲/▼/◀/▶ then **ENTER**).
- The Photo Player launches and photo content is displayed in full screen.

4 Press **D** then select "BGM Setup" from the Tool Menu (▲/▼ then **ENTER**).
- A "BGM Setup" dialog screen appears.

5 Select a Playlist from the list as BGM (▲/▼ then **ENTER**).
- A check mark is provided beside the selected Playlist.
- When you select a different Playlist and press **ENTER**, the mark jumps to the new Playlist from the previously selected one.



6 Select "BGM ON", "BGM ON (Random)" or "BGM OFF" from the BGM status box (▲/▼ then **ENTER**).

7 Select "OK" (▲/▼ then **ENTER**).

Rotating the image

1 Press **HOME MENU**.

2 Select "Home Media Gallery" (▲/▼ then **ENTER**).

3 Select photo content in the Media Navigator, USB device or My Playlist (▲/▼/◀/▶ then **ENTER**).
- The photo content is displayed in full screen.
- To stop the slideshow, press **ENTER** again.

4 Press **ENTER** or ▶(Play) to start a slideshow.
- The slideshow starts and photo images in the folder automatically display one by one.
- To display a key guide, press **INFO**.

5 While using Photo Player, press **A** to rotate a photo.
- The displayed image rotates by one quarter clockwise. Each time **A** is pressed, the image rotates; 90°, 180°, 270° and "Rotate Off".
- The Photo Player goes into "PAUSE" (the slideshow is in Stop mode).

6 Press **ENTER** again to resume the slideshow.
- The selected rotation mode is only effective for the image being displayed. The default setting ("Rotate Off") returns when you move and display content on a different screen.

Repeating the slideshow

1 While playing a slideshow, press **B** to select "Repeat Once".
- The slideshow being played is repeated.

2 Press **B** again to cancel the repeat mode ("Repeat Off" is selected).
- After playing the currently selected slideshow, the Player stops.

3 Press **HOME MENU** to exit the Home Media Gallery.

Playing the slideshow at random

1 While playing a slideshow, press **C** to select "Random On".
- Random Repeat playback starts.

2 Press **C** again to cancel the random mode ("Random Off" is selected).

3 Press **HOME MENU** to exit the Home Media Gallery.

Other useful functions

Search

You can search the desired items contained in the Folder or Contents List by word. Searched results are displayed on the screen.

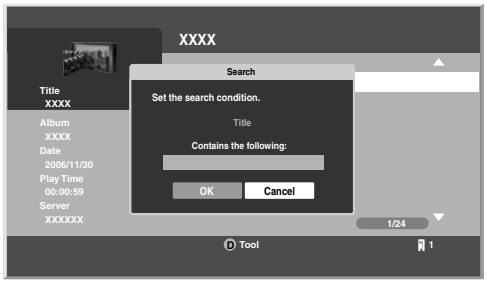
1 Press **HOME MENU**.

2 Select “Home Media Gallery” (▲/▼ then **ENTER**).

3 Select the desired folder and/or content in the Media Navigator (▲/▼/◀/▶ then **ENTER**).

4 Press **D** then select “Search” from the Tool Menu (▲/▼then **ENTER**).
- A “Search” dialog screen appears.

5 Select the “Contains the following” box in “Set the search condition:” (▲/▼then **ENTER**).
- The software keyboard appears on the screen.



6 Enter the word for search on the software keyboard (▲/▼/◀/▶ then **ENTER**).

7 Select “OK” on the software keyboard (▲/▼ then **ENTER**).
- The software keyboard disappears.
- To cancel the search, select “Cancel” then press **ENTER**.

8 Select “OK” on the “Search” dialog screen (▲/▼ then **ENTER**).
- The searching starts based on the word entered and search results are displayed.
- Even while searching, you can select content to play. To return to the search screen, press **RETURN** during playback.

9 Press **RETURN** to cancel the search mode.

Sort

You can sort the items contained in the Folder or Contents List.

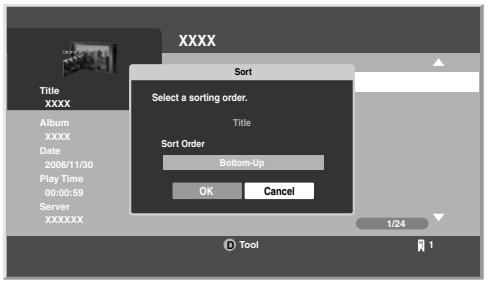
1 Press **HOME MENU**.

2 Select “Home Media Gallery” (▲/▼ then **ENTER**).

3 Select the desired folder and/or content in the Media Navigator (▲/▼/◀/▶ then **ENTER**).

4 Press **D** then select “Sort” from the Tool Menu (▲/▼ then **ENTER**).
- A “Sort” dialog screen appears.

5 Select “Bottom-Up” or “Top-Down” in the “Sort Order” box (▲/▼ then **ENTER**).



6 Select “OK” on the “Sort” dialog screen (▲/▼ then **ENTER**).
- The sorting starts based on your selection and sort results are displayed.
- Even while sorting, you can select content to play. To return to the sort screen, press **RETURN** during playback.

7 Press **RETURN** to cancel the sort mode.

NOTE

- The “Select a sorting order.” screen can be displayed while navigating through the music categories.

Adding files to My Playlist

The Home Media Gallery function provides “My Playlist” - a self-contained play list that allows you to bookmark your favorite movie, music and photo files from the network. You can register, edit, and sort up to 100 files in each Playlist List.

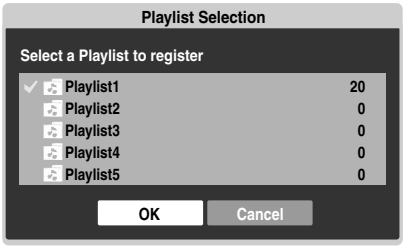
1 Press **HOME MENU**.

2 Select “Home Media Gallery” (▲/▼ then **ENTER**).

3 Select “Media Navigator” (▲/▼ then **ENTER**).

4 Select the desired music content to add to “My Playlist” (▲/▼ then **ENTER**).

5 Press **D** to open the Tool Menu.
- A dialog screen appears.



6 Press **ENTER**.
- A check mark is provided in the box at the selected Playlist List.

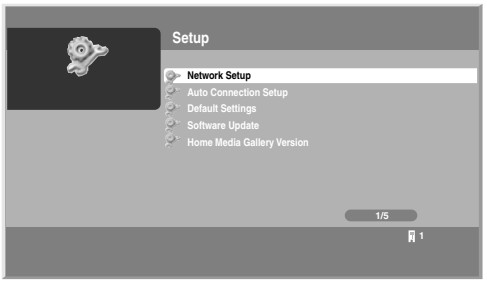
7 Press ▼ to select “OK”.

8 Press **ENTER**.
- The selected content is added to the Playlist.

9 Press **HOME MENU** again to exit the Home Media Gallery.

Setup

The "Setup" is used for "Network Setup", "Auto Connection Setup", "Default Settings", "Software Update" and "Home Media Gallery Version".



1 Press **HOME MENU**.

2 Select "Home Media Gallery" (▲/▼ then **ENTER**).

3 Select "Setup" (▲/▼ then **ENTER**).

4 Select "Network Setup", "Auto Connection Setup", "Default Settings", "Software Update" and "Home Media Gallery Version" (▲/▼/◀/▶ then **ENTER**).

"Network Setup"

When you select "Network Setup" from the "Setup" menu, a submenu is displayed to select "Auto" or "Manual" for network connections.

To automatically set:

The following setup is effective for "Auto" only. To perform the procedure, DHCP on your server or router must be valid.

1 Select "Automatically acquire IP" then press **ENTER**.

2 Select "Yes" (▲/▼ then **ENTER**).

3 Select "OK". (▲/▼/◀/▶ then **ENTER**).
- A restart dialog screen appears.

4 Press **ENTER** again on the dialog screen.
- The setup finishes.
- The system restarts then the Home Media Gallery screen returns.

To manually set:

Before setting up, check your media server for IP Address and Subnet mask.

1 Select "Automatically acquire IP" then press **ENTER**.

2 Select "No" (▲/▼ then **ENTER**).

3 Select the setup item's box (▲/▼/◀/▶ then **ENTER**).
- The screen turns to entry mode for "IP Address" and "Subnet mask".
- No need to enter "Default Gateway" and "DNS Server".

4 Enter the figures using buttons **0** to **9**.
- Subnet mask (such as 255.255.255.0)
  Enter the same figures as you checked.
- IP Address (such as 192.168.201.***)
  Enter the same figures as used in the media server (PC, etc.) you use. For ***, enter 3-digit figures (0 – 254) that have not been used for network connections yet.

5 Press **ENTER** on the setup item's box after the entry is complete.
- The screen turns to setup selection mode.
- Repeat steps 2 to 4 to complete the necessary setup.

6 Select "OK" (▲/▼/◀/▶ then **ENTER**).
- A restart dialog screen appears.

7 Press **ENTER** again on the dialog screen.
- The setup finishes.
- The system restarts then the Home Media Gallery screen returns.

"Auto Connection Setup"

When you enjoy content on the network, you can select from the following options: "Last Connected Server" and "Single Server/USB". See "Auto Connection Setup" on page 90.

"Wake on LAN (WOL)" functions to turn the last accessed server's power on if the server is WOL-compliant and is in Standby or sleep mode, then display the Media Navigator screen. During the WOL is activated, the "Start Server" dialog screen displays and a message "The server is starting up." appears. If the server is not WOL-compliant or the WOL function fails, the "Start Server" dialog appears on the "Server List" screen and a message "Failed to start server." displays on the dialog screen.

For USB content, the Device List is displayed on the screen if you have not checked in the "Single Server/USB" box after selecting "Setup" and then "Auto Connection Setup". You can select the desired device and then content in it. If you have checked in the box, the list is skipped (default setting) and you can see the folder(s) or file(s) in the USB device that has a single directory.

"Default Settings"

*Setups you have entered within the Home Media Gallery function return to default. When you select "Reset", a confirmation screen "To activate the default settings, restart Home Media Gallery." will appear. Press **ENTER** to reset to default. When you select "Cancel", the previous screen displays (◀/▶ then **ENTER**).*

"Software Update"

*Select "Next" to follow the procedure on the subsequent screens or "Cancel" to return to the previous screen (◀/▶ then **ENTER**). When update is completed, a confirmation message "To activate the updated software, restart Home Media Gallery." appears. See"Software Update" on page 89.*

"Home Media Gallery Version"

*You can confirm the version and copyright information on the Home Media Gallery software. Select "OK" to return to the previous screen (**ENTER**).*

8 Press **HOME MENU** again to exit the Home Media Gallery.

Editing files in My Playlist

1 Press **HOME MENU**.

2 Select “Home Media Gallery” (▲/▼ then **ENTER**).

3 Select “My Playlist” (▲/▼ then **ENTER**).

4 Select “Movie Playlist”, “Music Playlist” or “Photo Playlist” from the Playlist category (▲/▼ then **ENTER**).
- Five playlists are displayed.
- Press **D** to open the Tool Menu and select an item on this screen or next contents list screen (▲/▼ then **ENTER**).
- Check the appropriate box: “Change Name”, “Move” or “Delete from My Playlist” (←/→/▲/▼ then **ENTER**).

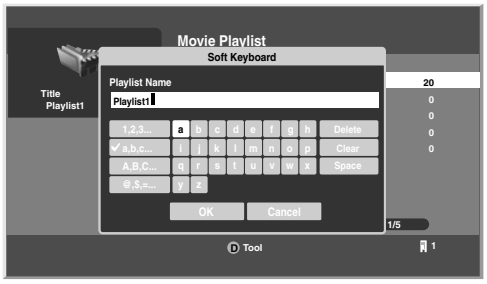
“Change Name”

1 Select “Change Name” from the Tool Menu.
- A dialog screen appears.

2 Select “Playlist Name” (▲ then **ENTER**).
- The software keyboard appears.

3 Select “OK” on the software keyboard (←/→/▲/▼ then **ENTER**).
- The software keyboard disappears and “Playlist Name” in the “Change Name” dialog screen returns.

4 Select “OK” when the new name is entered (▲/▼ then **ENTER**).
- The editing finishes and “Change Name” dialog screen disappears.
- The new Playlist displays.



- The on-screen keyboard (“Software Keyboard”) is displayed only when you select “Search” or “Change Name”.

“Move”

You can change the listing order of the content registered in My Playlist.

1 Select “Move” from the Tool Menu.
- The content selected is placed in a yellow box (“Source Selection” mode).

2 Select the desired content (▲/▼ then **ENTER**).
- The selected content is highlighted in the yellow box. A specific icon appears on the left (“Destination Selection mode”).

3 Press ▲/▼ to move the content up or down, then **ENTER**.
- The highlight in the yellow box disappears and the specific icon returns to the original one.
- Repeat steps 2 and 3 to move another content.

4 Press **RETURN**.
- A “Playlist” dialog screen appears.

5 Select “OK” (▲/▼ then **ENTER**).
- The dialog screen disappears and moving content finishes.
- To cancel, select “Cancel” then **ENTER**.

“Delete from My Playlist”

1 Select “Delete from My Playlist” from the Tool Menu.
- A dialog screen appears.

2 Select “OK” (←/→ then **ENTER**).
- The dialog screen disappears and the selected content is deleted from My Playlist.
- To cancel, select “Cancel” then **ENTER**.

Playing/displaying files from My Playlist

1 Press **HOME MENU**.

2 Select “Home Media Gallery” (▲/▼ then **ENTER**).

3 Select “My Playlist” (▲/▼ then **ENTER**).

4 Select the desired Playlist from “Movie Playlist”, “Music Playlist” or “Photo Playlist”.

5 Select the desired Playlist List (▲/▼ then **ENTER**).

6 Select the desired content (▲/▼/←/→ then **ENTER**).
- The selected content is played or displayed.
- To return to the previous screen, press **RETURN**.

7 Press **HOME MENU** again to exit the Home Media Gallery.

Switching the server

When one or more servers are connected within the network, you can switch between servers.

1 Press **HOME MENU**.

2 Select “Home Media Gallery” (▲/▼ then **ENTER**).

3 Select “Media Navigator” (▲/▼ then **ENTER**).
- The previous server is selected.

4 Press **D** to open the Tool Menu.

5 Choose “Select Server” (▲/▼ then **ENTER**).
- The Server List is displayed.
- Pressing **RETURN** changes the screen to the Home Media Gallery.

6 Select the desired server (▲/▼ then **ENTER**).
- The screen changes from the selected server to the Home Media Gallery.

7 Press **HOME MENU** again to exit the Home Media Gallery.

NOTE

- The Home Media Gallery can memorize previously connected servers. When the Media Navigator is launched, available servers are automatically searched and connected. To switch between connected servers, choose server to another one, select “Select Server” from the Tool Menu.

- If a previously connected server can not be found or if the server is in the sleep mode, the server name is dimmed (grayed out).
- In some cases, you may be able to start a media server if it supports "Wake On LAN". Select the server and press **ENTER** to have it transmit a "Wake On LAN" command to the Plasma Display.
- You cannot select a server unless that media server has been set up.

Resetting to default

You can reset the setups you have entered within the Home Media Gallery function to default (See "Default Settings" on page 87).

1 Press **HOME MENU**.

2 Select "Setup" (↑/↓ then **ENTER**).

3 Select "Default Settings" (↑/↓ then **ENTER**).

4 Select "Reset" (←/→ then **ENTER**).
- A restart dialog screen appears.

5 Press **ENTER** on the dialog screen.
- The setup finishes.
- The system restarts then the Home Media Gallery screen returns.

Other convenient features

Screen saver

During navigation, the screen saver launches automatically if no activity is sensed within five minutes.

- No screen saver is available while a movie or slideshow is played.
- Pressing any key cancels screen saver. When canceled with a USB device being connected, connecting operation resumes.

NOTE

- Pressing **INFO** to display the Player status or key guide before screen saver is activated may cause image retention to appear. **Do not display the Player status and key guide for an extended period of time while playing a movie or slideshow.**

Software Update

Software update is available on the Pioneer website (**http://www.pioneerelectronics.com**). Make sure that you have a USB flash memory. First download the software according to the guidelines on the website and perform the following procedure for update:

1 Press **HOME MENU**.

2 Select "Home Media Gallery" (↑/↓ then **ENTER**).

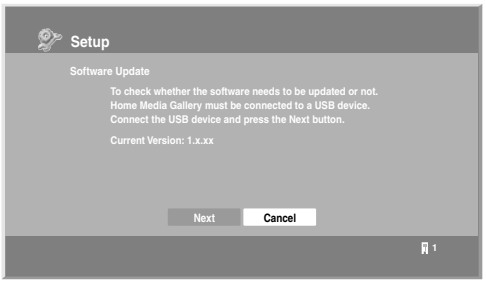
3 Select "Setup" (↑/↓ then **ENTER**).

4 Select "Software Update" (↑/↓ then **ENTER**).
- A "Software Update" submenu appears.

5 Select "Next" (←/→ then **ENTER**).
- The next screen appears. Complete the procedure following the guidelines on the screen.

6 Press **ENTER** after the following steps are complete: "Download", "Write" and "Verify"
- A restart dialog screen appears.

7 Press **ENTER** after reading a notice on the screen.
- The system is restarted then the Home Media Gallery screen returns.
- Software update finishes.


Setup
Software Update
To check whether the software needs to be updated or not.
Home Media Gallery must be connected to a USB device.
Connect the USB device and press the Next button.
Current Version: 1.x.xx
Next
Cancel

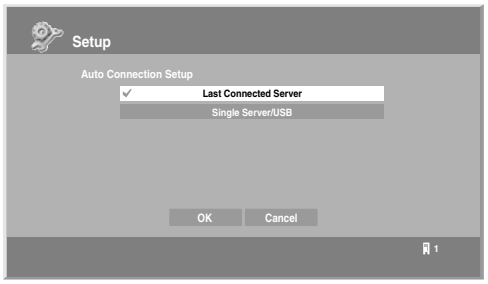
NOTE

- On average, it may take 15 minutes or more to complete a software update.

"Auto Connection Setup"

For extra convenience, you can toggle between the following features:

"Last Connected Server"	When you check in the "Last Connected Server" box, the Plasma Display accesses the last server using WOL ("Wake On LAN") first as the Media Navigator is selected from the Home Media Gallery. The Media Navigator displays the last server when WOL succeeds, while a server list is displayed when WOL fails. WOL is activated to turn the last accessed server On if the server is WOL-compliant and is in Standby or sleep mode.
"Single Server/ USB"	This function is used only when a USB memory device or a single server is connected. You do not need this function when a multi-card reader, or two or more servers are connected. USB: • When USB memory is connected, the Devices List is skipped as long as you have checked in the "Single Server/USB" box. If not, the list may be displayed at any time. Media Navigator (Server): • When a single server is connected, the Server List is skipped as long as you have checked in the "Single Server/USB" box. If not, the list may be displayed at any time. When the "Last Connected Server" box is checked, the other server setup option – "Single Server/USB" – becomes invalid.



Dialog Screen Message

No.	Message	Problem
001	Content playback failed (001).	No details are available for the error
100	A communication error occurred (100).	No further details are available for the error
101	No response from the server (101).	Timeout period reaches due to delayed server response
102	Disconnected from the network (102).	Cables are disconnected
103	Invalid response was received from the server (103).	Invalid response from the server
300	This format is not supported (300).	A file that is not supported is selected
500	Authorization failed (500).	Failed to obtain WMDRM authorization
501	Authorization failed (501).	Failed to obtain WMDRM authorization
503	Authorization failed (503). Please check for trouble in routers, hubs, and other network devices.	Failed to obtain WMDRM authorization
504	Authorization failed (504). The maximum allowed number of devices are connected to the server.	Failed to obtain WMDRM
505	Authorization failed (505). The content license is off. Please turn on the license from the server.	Failed to obtain WMDRM authorization

• The message consists of "Error", "Warning" and "Information" and is displayed for 5 seconds.

Displaying pictures in the Home Media Gallery for an extended period may cause an after-image.

Glossary

Default Gateway
Default gateway is a node on a computer network that serves as an access point to another network. A default gateway (such as a computer and router) is used to forward all traffic that is not addressed to a station within the local subnet.

DHCP (Dynamic Host Configuration Protocol) Server
Provides a mechanism to allocate IP addresses to client hosts. In most cases, a broadband router serves as a DHCP server in a home network.

DLNA (Digital Living Network Alliance)
The DLNA authorized logo makes it easy for consumers to recognize products that meet the new standard for home network PCs and other digital devices, as set down in the DLNA Guidelines for interoperability. This allows music, video, etc. to be enjoyed from various devices over a home network. This unit is compatible with music, photo and video content, and is based on the DLNA Interoperability Guidelines v1.0. This unit can be used to playback music, photos and video stored on a DLNA-compatible server connected through a LAN cable.

Digital Living Network Alliance (DLNA) is dedicated to the simplified sharing of digital content, such as digital music, photos and video among networked consumer electronics (CE) and PCs. By establishing a platform of interoperability based on open industry standards, DLNA delivers technical design guidelines that companies can use to develop digital home products that share content through wired or wireless networks in the home.

DNS (Domain Name Service) Server
DNS Server is a server that determines the name of network-computer within the Internet. The server functions to exchange IP address to the hostname, hostname to the IP address.

Ethernet
A frame-based computer networking technology for local area networks (LANs). The Plasma Display supports 100BASE-TX.

IP (Internet Protocol) Address
A unique number that devices use in order to identify and communicate with each other on a network utilizing the Internet Protocol standard, such as “192.168.1.xxx”. No duplicate numbers are allowed within the network.

LAN Cable
A cable that has an 8-pin modular plug on each end and is different from a telephone plug which has 4 pins. A straight cable is used when connecting the Plasma Display to a home network via a hub. A cross-over cable is used when connecting directly to a PC. Use category 5 (CAT-5) LAN cables.

MAC (Media Access Control) Address
An address attached to the port of any network device with an IP address. The MAC address is expressed as “00:e0:36:01:23:xx” and cannot be changed.

Mass Storage Class devices
The standard provides an interface to a variety of storage devices, such as USB flash memory and digital cameras.

PlaysForSure
This unit incorporates PlaysForSure. “PlaysForSure” is a new logo program from Microsoft Corporation. You can check for the PlaysForSure logo at various online stores. Where you see the PlaysForSure logo, you can be sure that the digital media you are purchasing (music, video, pictures) will play on this unit.

Subnet mask
Used when IP addresses are broken into several parts. It is expressed as “255.255.255.0”. In most cases, the Subnet mask is automatically assigned by the DHCP server.

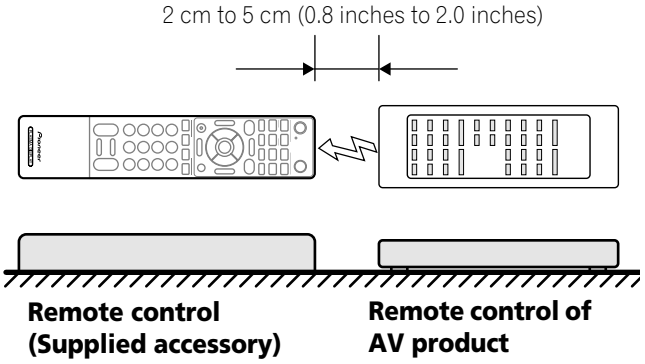
USB (Universal Serial Bus)
USB provides a serial bus standard for connecting devices, usually to computers such as PCs. The Plasma Display supports the Mass Storage Class.

Windows Media Connect
Microsoft Windows Media Connect is a new technology to distribute music, photos and video stored on a PC with Windows XP installed to a stereo system of TV. Using this technology you can playback files stored on the PC from various devices wherever you like in your home.

Windows Media DRM
Windows Media DRM is copyright protection technology developed by Microsoft Corporation. It enables content providers to distribute over the Internet music, video and other digital media content in a protected, encrypted file format.

Learning function of the remote control unit

You can operate the connected AV products (AV Receiver, Cable Box, SAT tuner, VCR, DVD, DVD recorder, LD) using the remote control's learning function. The remote control can memorize other remote control's codes.



Using the learning function

1 Slide the **Mode switch** to match the type of device to be learned.

2 Press **EDIT/LEARN** and **2** at the same time.
- The LED flashes.

3 Press a button to be learned.
- The LED lights up.
- For the functions that can be learned, see pages 99 to 102.
- When the device's remote is memorized, the LED flashes.

4 Press **EDIT/LEARN** again to exit the Learn mode.

NOTE

- To exit the Learn mode before it is complete, press **EDIT/LEARN** again.
- If the **Mode switch** selection is changed when **EDIT/LEARN** and **2** are pressed (the LED is flashing), the Learn session is canceled.
- If the **Mode switch** selection is changed when a button to be learned is pressed after **EDIT/LEARN** and **2** have been pressed (the LED lights up), the Learn session is not canceled and the selected mode and button remain effective.
- If no operation is performed for more than one minute after having pressed **EDIT/LEARN** and **2** (the LED is flashing), the Learn session is canceled.
- If a button to be learned is pressed after having pressed **EDIT/LEARN** and **2** (the LED is lit), the Learn session is canceled in 30 seconds and the LED restarts blinking again.
- Code transmission finishes in approximately two seconds. Do not interrupt it halfway. Wait until the LED flashes again.
- When using any of the receiver buttons (⏻, **INPUT**, or **VOL +/–**), the learned manufacturer code remains the same regardless of the **Mode switch** position or even if the switch is shifted to a different position.

Presetting manufacturer codes to control other devices

Presetting manufacturer codes

1 Slide the **Mode switch** to match the type of device to be preset.

2 Press **EDIT/LEARN** and **1** at the same time.
- The LED flashes.

3 Press **0** – **9** to enter the manufacturer code. See page 94.
- Preset mode is finished when the LED blinks Off.

Library Search

In the event that the device code for a particular target unit is unknown, cycle through the available codes for that type of device. Sample the functions from each code in order to find the code that properly operates the target device.

1 Slide the **Mode switch** to match the type of device to be preset.

2 Press **EDIT/LEARN** and **3** at the same time.
- The LED indicator flashes and the remote control unit enters the Library Search programming mode.

3 Press either **SOURCE POWER**, **PLAY**, **1** or **CH+** to sample the selected code.

4 If the code is missing, press ↑/↓ to advance to the next code or return to the previous code and repeat step 3.

5 Press **ENTER** when the code that properly operates the target device is found.
- All the available buttons for the selected mode are programmed to the remote control. The remote control unit returns to normal operation (LED lights for one second to confirm addition).

Delete Learning

You can delete a learned code by either overwriting it with a new code on the same button or performing the procedure below.

1 Press **EDIT/LEARN** and **2** at the same time.
- The LED indicator flashes and the remote control unit enters the Learning mode.

2 Press and hold **TV** ⏻ for more than two seconds.
- The remote control unit starts deleting all learned codes in the selected mode (marked by a lit LED).
- When completed, the LED blinks Off and the remote control unit returns to normal operation.

Manufacturing Reset

All learned and preset codes can be returned to the factory defaults regardless of the mode.

1 Press **EDIT/LEARN** and **TV** ⏻ at the same time. The **Mode switch** setting is ignored.
   - The LED indicator flashes and the remote control unit enters the Manufacturing Reset mode.

2 Press **D** (yellow) to reset the remote control.
   - The manufacturing reset is complete. The LED flashes for one second then the remote control unit returns to normal operation.

NOTE

- To exit the Edit mode before it is complete, press **EDIT/LEARN** again.
- If the **Mode switch** selection is changed when in the Edit mode, the Edit session is canceled.
- If no operation is performed within one minute, the Edit session is canceled.
- When you enter an unlisted code, the LED flashes repeatedly.
- If the tables on pages 94 to 98 do not include your device's manufacturer or the remote control does not work, use the Learn mode.
- The initial mode is "PIONEER".
- When using any of the receiver buttons (⏻, **INPUT**, or **VOL +/–**) to cancel the Learn mode, follow the procedure with the **Mode switch** set to "TV". You cannot cancel the mode otherwise.

Programming codes

CABLE

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
ABC	0003 0008 0014 0011	General Instrument	0014 0011	Panasonic	0000 0008 0107 0021	Sony	1006 1506 1606
	0017	Global	1327	Panther	0637	Sprucer	0021
Americast	0899	GoldStar	0144	Paragon	0000	Starcom	0003 0014
Amino	1602 1822	Hamlin	0009 0273	Philips	1305 0317	Supercable	0276
Bell & Howell	0014	Hitachi	0014 0011 0154	Pioneer	1877 0877 0144 0533	Supermax	0883
Bell South	0899	i3 Micro	1602		0023 0260 1021	Thomson	1256
Birmingham Cable Communications	0276	Jerrold	0476 0810 0276 0003	Pulsar	0000	Tocom	0012
British Telecom	0003		0012 0014 0011	PVP Stereo Visual Matrix	0003	Torx	0003
Clearmaster	0883	KNC	0008	Quasar	0000	Toshiba	0000
ClearMax	0883	LG	0144	RadioShack	0883	Trans PX	0276
Cleartron	1327	Memorex	0000	RCA	1256 0021	Tristar	0883
Coolmax	0883	Motorola	1376 0476 0810 0276	Regal	0279 0273	TS	0003
Daeryung	1877 0877 0477 0008		1187 1254 0014 1106	Rembrandt	0011	United Cable	0003
Digeo	1187	Multitech	0883	Runco	0000	V2	0883
Digi	0637	MultiVision	0012	Samsung	0000 0144	Viewmaster	0883
Director	0476	Myrio	1602 1822	Scientific Atlanta	1877 0877 0477 0008	ViewmaxPro	1544
Dumont	0637	NTL	0003		0017	Vision	0883
Gehua	0476	Optimus	0021	Sejin	1602	Vortex View	0883
General Instrument	0476 0810 0276 0003	Pace	1877 0237 0008	Signature	0011	Zenith	0000 0525 0899

SATELLITE

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
AlphaStar	0772	Fortec Star	1550	Legend	0269	Realistic	0052
Amino	1615	Galaxis	0270	LG	1226 1414 1750	Samsung	1377 1142 1276 1108
BeauSAT	1586	GE	0392 0566	Magnavox	0724 0722		1109 0270 1243 1442
Century	0856	General Instrument	0869	MegaSat	1551		1609
Channel Master	0212	GOI	0775 1775	Memorex	0724 0269	Sanyo	1219
Chaparral	0053 0209 0216	Goodmans	1246	Mitsubishi	0749	SKY	0856 1856 0099
Coolsat	1806	Gradiente	0856	Motorola	0869 0856	Sony	0639 1639 1640
Crossdigital	1109	Hisense	1535	NEC	0102 0178 1270	Star Choice	0869
Digiturk	1076	Hitachi	0819 1250	Netsat	0099	Star Trak	0180
DirecTV	1377 0392 0566 0639	Homecable	0238	Next Level	0869	STS	0210
	1639 1142 0247 0749	HTS	0775 1775	OctalTV	1505	Tivo	1142 1442 1443 1444
	1749 0724 0819 1856	Hughes	0749 1749 1442	Panasonic	0247 0701 0152		1538
	1076 1108 0099 1109	Hughes Network Systems	1142 0749 1749 1442	Pansat	0647 1551 1807	Toshiba	0749 1749 0790 0819
	1392 1414 1442 1443		1443 1444 1538 1750	Paysat	0724		0082 1285
	1444 1538 1609 1640	Humax	1790	Philips	1142 0749 1749 0724	UltimateTV	1392 1640
	1750	iLo	1535		0819 0856 1076 0722	Ultrasat	1806
Dish Network System	1505 1005 0775 1170	Innova	0099		0099 1442	Uniden	0724 0722 0052 0074
	1775	IQ	0210	Pioneer	0329 1442		0076 0238
Dishpro	1505 1005 0775 1775	IQ Prism	0210	Proscan	0392 0566	US Digital	1535
Eastern	1612	Janeil	0152	Proton	1535	USDTV	1535
Echostar	1505 1005 0775 0159	Jerrold	0869	RadioShack	0869	Voom	0869
	0269 0280 1170 1775	JVC	0775 1170 1775	RCA	0392 0566 0855 0143	Zenith	0856 1856
Expressvu	0775 1775	Lava	1631		1392		

VCR

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
ABS	1972	Craig	0271	Go Video	0240 0432 0526 0649	LG	0037 0045 0042 0209
Admiral	0048 0209 0479	Crown	0072 0278 0020		0663 1137 1150		0038 0040 1037 1137
Adventura	0000	Curtis Mathes	0060 0035 0162 0041	GoldHand	0072	Linksys	1972
Aiko	0278		0760 1035	GoldStar	0037 0209 0038 0225	Lloyd's	0000 0208
Aiwa	0037 0000 0124 0307	Cybernex	0240		0226 1137 1237	Loewe	0037 0081
	0479 1137	CyberPower	1972	Goodmans	0037 0000 0072 0278	Logik	0240 0072
Akai	0041 0061 0106 0175	Cyrus	0081		0020 0062	Lunatron	1137
	0242	Daewoo	0045 0104 0278 0020	Gradiente	0000 0008	Luxor	0048 0104 0043 0046
Akiba	0072		0046 0210 0212 0561	Graetz	0240 0104 0041		0062 0106
Akura	0271		1137 1278	Granada	0081 0104 0046	LXI	0037
Alba	0209 0072 0278 0020	Dansai	0072	Grandin	0037 0000 0072	M Electronic	0000 0038
Alienware	1972	Daytron	0020	Grundig	0081 0072 0034 0207	Magnasonic	0593 1278
Allegro	1137	De Graaf	0042 0166		0226 0378	Magnavox	0035 0039 0081 0000
Ambassador	0020	Decca	0081 0000	Hanseatic	0037		0149 0563 0593 1781
America Action	0278	Dell	1972	Haojie	0240	Magnin	0240
American High	0035	Denon	0042	Harley Davidson	0000	Manesth	0045 0072
Amoisonic	0479	DirecTV	0739	Harman/Kardon	0081 0038 0075	Marantz	0035 0081 0062
Amstrad	0000	Dual	0041	Harwood	0072	Marta	0037
Anam	0162 0037 0240 0278	Dumont	0081 0000 0104 0105	HCM	0072	Matsui	0209 0208
	0226 1037	Durabrand	0039 0038	Headquarter	0046	Matsushita	0035 0162 0226 0227
Anam National	0162 0226	Dynatech	0000	Hewlett Packard	1972		1162
Anitech	0072	Elbe	0038	HI-Q	0047	Media Center PC	1972
ASA	0037 0081	Elcatech	0072	Hinari	0240 0072 0208	MEI	0035
Asha	0240	Electrohome	0037 0043	Hitachi	0037 0240 0000 0042	Memorex	0035 0162 0037 0048
Asuka	0037	Electrophonic	0037		0041 0065 0082 0089		0039 0047 0240 0000
Audiovox	0037 0278	Emerex	0032		0105 0166 0235 0292		0104 0209 0046 0307
Awa	0043	Emerson	0035 0037 0184 0240		1037		0479 1037 1048 1162
Baird	0000 0104 0041		0045 0000 0121 0043	Howard Computers	1972		1237 1262
Basic Line	0072 0278 0020		0209 0002 0278 0208	HP	1972	Memphis	0072
Beaumark	0240		0061 0212 0479 0561	Hughes Network Systems	0042 0739	Metronic	0081
Bell & Howell	0104		0593 1278 1479 1593	Humax	0739	Metz	0162 0037 0227
Blaupunkt	0162 0034 0226 0227	ESA	1137	Hush	1972	MGA	0240 0043 0061
BPL	0046	ESC	0240 0278	Hypson	0072	MGN Technology	0240
Brandt Electronique	0041	EverFocus	1346	iBUYPOWER	1972	Microsoft	1972
Broksonic	0184 0121 0209 0002	Ferguson	0041	Imperial	0000	Mind	1972
	0479 1479 1815	Fidelity	0000	Interfunk	0081	Minolta	0042 0105
Bush	0209 0072 0278	Finlandia	0081 0104	ITT	0240 0104 0041 0046	Mitsubishi	0081 0067 0043 0041
Calix	0037	Finlux	0081 0000 0042 0104		0106		0061 0075 0173 0214
Canon	0035 1143		0105	ITV	0037 0278		0242 0443 0807
Capehart	0020	Firstline	0037 0045 0043 0209	Jensen	0041	Motorola	0035 0048
Carver	0081		0072	JVC	0045 0067 0041 0008	MTC	0240 0000
Catron	0020	Fisher	0047 0104 0046		0206 0207 0366 1162	Multitech	0000 0072
CCE	0072 0278	Frontech	0020		1707	Murphy	0000
CGE	0000	Fuji	0035 0033	Kaisui	0072	Myryad	0081
Changhong	0048 0081	Fujitsu	0045 0000 0366	KEC	0037 0278	NAD	0104 0058
Cimline	0072	Funai	0000 0593 1335 1593	Kendo	0209 0106	National	0226
Cineral	0278	Garrard	0000	Kenwood	0067 0041 0038	NEC	0035 0037 0048 0104
CineVision	1137	Gateway	1195 1196 1972	KLH	0072		0067 0041 0038 0008
Citizen	0037 0278 1278	GE	0060 0035 0240 0065	Kodak	0035 0037		0040 0050 0082 0206
Clatronic	0020		0202 0226 0760 0761	Kolin	0043 0041		0457
Colt	0072		0807 1035 1060	Korpel	0072	Neckermann	0081
Condor	0020	GEC	0081	Lenco	0278	Nesco	0072
Craig	0037 0047 0240 0072	General	0045 0020 0366	Leyco	0072	Newave	0037

VCR

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Nikko	0037	Pye	0081	SEG	0240	Tensai	0000
Nikon	0034	Qisheng	0060	SEI	0081	Thomas	0000
Niveus Media	1972	Quarter	0046	Seleco	0041	Thomson	0060 0067 0041 0202
Noblex	0240	Quartz	0046	Semp	0045	Thorn	0104 0041
Nokia	0240 0104 0041 0046 0106	Quasar	0035 0162 0077 1035 1162	Sensory Science	0649 1155	Tivo	0618 0636 0739 1337 1996
				Sentra	0020		
Nordmende	0041	Quelle	0081	Sharp	0048 0209 0062 0807 0848 1048	TMK	0240 0208
Northgate	1972	Radiola	0081			Toshiba	0081 0045 0042 0067 0043 0209 0041 1996 1972 1145 1008 0845 0377 0366 0212 0210 0057 0008
Oceanic	0000 0041	RadioShack	0000 1037	Shinco	0000		
Olympus	0035 0226	Radix	0037	Shintom	0104 0072		
Onkyo	0222	Randex	0037	Shogun	0240		
Optimus	1062 0162 0037 0048 0104 0058 0432 0593 1048 1162 1262	RCA	0060 0035 0240 0000 0042 0149 0077 0105 0106 0065 0202 0226 0058 0760 0761 0807 0880 1035 1060	Siemens	0037 0081 0104		
				Silva	0037	Totevision	0037 0240
				Singer	0045 0072	Touch	1972
Optonica	0062			Sinudyne	0081	Triumph	0208
Orion	0184 0121 0209 0002 0208 0479 1479 1815			Solavox	0020	Uher	0240
		Realistic	0035 0037 0048 0047 0000 0104 0046 0062	Sonic Blue	0614 0616 1137	Unitech	0240
Osaki	0037 0000 0072			Sonolor	0046 0062	Universum	0037 0081 0240 0000 0106
Otto Versand	0081	ReplayTV	0614 0616	Sontec	0037		
Palladium	0037 0041 0072	Rex	0041	Sony	0035 0032 0033 0000 0011 0022 0034 0275 0636 1032 1232 1546 1702 1703 1896 1972	Vector	0045
Panasonic	1062 0035 0162 0077 0225 0226 0227 0246 0378 0616 1035 1162 1262	Ricavision	1972			Vector Research	0038 0040
		Ricoh	0034			Victor	0067 0041 0008
		Rio	1137			Video Concepts	0045 0040 0061
		Roadstar	0037 0240 0072 0278	Stack 9	1972	Videomagic	0037
Pathe Marconi	0041	Runco	0039	STS	0042	Videosonic	0240
Penney	0035 0037 0240 0042 0038 0040 1035 1237	Saba	0041 0206 0207	Sunstar	0000	Viewsonic	1972
		Saisho	0209 0208	Suntronic	0000	Villain	0000
Pentax	0042 0065 0105	Salora	0043 0046 0075 0106 0443	Sylvania	0035 0081 0000 0043 0593 1593 1781	Voodoo	1972
Perdio	0000					Wards	0060 0035 0048 0047 0081 0240 0000 0042 0072 0149 0062 0212 0760
Philco	0035 0000 0209 0038 0226 0479 0561	Sampo	0037 0048	Symphonic	0000 0593 1593		
		Samsung	0240 0045 0210 0212 0432 0649 0663 0739 0760 1014	Systemax	1972		
Philips	0035 0081 0000 0062 0226 0563 0593 0618 0739 1081 1181 1266			Tagar Systems	1972		
				Tandy	0000 0104	Wharfedale	0593
		Sanky	0048 0039	Tashiko	0037 0000	White Westinghouse	0209 0072
Phonola	0081	Sansui	0000 0067 0209 0041 0082 0271 0479 1479	Tatung	0081 0045 0000 0067 0041 0008 0366	XR-1000	0035 0000 0072
Pilot	0037					Yamaha	0041 0038
Pioneer	0081 0042 0067 0058 0168 0206 0235 1337	Sanyo	0047 0240 0104 0046 0159 0372	Teac	0000 0041 0278 0307 0526 0593	Yamishi	0072
						Yokan	0072
Polk Audio	0081	SBR	0081	Tec	0020	Yoko	0240 0020
Portland	0020	Schaub Lorenz	0000 0104 0041	Technics	0035 0162 0226 0246	Zenith	0039 0033 0000 0209 0034 0479 1137 1139 1479
Profitronic	0240	Schneider	0081 0000 0072	Teco	0035 0037 0048 0041 0038 0040		
Proline	0000	Scott	0184 0045 0121 0043 0210 0212				
Proscan	0060 0202 0760 0761 1060			Teknika	0035 0037 0000	ZT Group	1972
		Sears	0035 0037 0047 0000 0042 0104 0046 0057 0105 1237	Teleavia	0041		
Protec	0072			Telefunken	0041		
Pulsar	0039			Tenosal	0072		

PVR

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
ABS	1972	HP	1972	Niveus Media	1972	Systemax	1972
Alienware	1972	Hughes Network Systems	0739	Northgate	1972	Tagar Systems	1972
CyberPower	1972	Humax	0739	Panasonic	0616	Tivo	0618 0636 0739
Dell	1972	Hush	1972	Philips	0618 0739	Toshiba	1008 1972
DirecTV	0739	iBUYPOWER	1972	RCA	0880	Touch	1972
EverFocus	1346	Linksys	1972	ReplayTV	0614 0616	Viewsonic	1972
Gateway	1195 1196 1972	Media Center PC	1972	Sonic Blue	0614 0616	Voodoo	1972
Hewlett Packard	1972	Microsoft	1972	Sony	0636 1972	ZT Group	1972
Howard Computers	1972	Mind	1972	Stack 9	1972		

DVD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Acoustic Solutions	0730 1242	CineVision	0876 0833 0869	Gateway	1073 1077 1158 1194	Landel	0826
Adcom	1094	Citizen	1277	GE	0522 0815 0717	Lasonic	0798 1173
Advent	1016	Classic	1385	Go Video	0744 0715 0741 0783	Lecson	1533
Afreey	0698	Clatronic	1165		0833 0869 1044 1075	Lenoxx	1127
Aiwa	0641	Coby	0778 0852 1086 1107		1099 1144 1148 1158	LG	0591 0741 0801 0869
Akai	0695 0770 0899 1089		1165 1177 1351		1304 1443 1730		1526
Alba	0672 0539 0717	Craig	0831	Go Vision	1071 1072	LiteOn	1058 1158 1416 1440
Alco	0790	Curtis Mathes	1087	GoldStar	0741	Loewe	0511 0741
Allegro	0869	CyberHome	0816 0874 1019 1023	Goodmans	0790 1004	Logix	0783
Altacom	1224		1024 1117 1129 1502	GPX	0699 0769	Lunatron	0741
Amphion Media Works	0872 1176 1245		1537	Gradiente	0490 0651	Magnavox	0503 0539 0646 0675
AMW	0872 1176 1245	Cydectin	1074	Greenhill	0717		0821 1268 1506
Apex Digital	0672 0717 0755 0794	Daewoo	0784 0705 0770 0833	Grundig	0539 0695 0705	Malata	0782 1159
	0796 0797 0830 1004		0869 1169 1172 1234	GVG	1169	Marantz	0539
	1020 1056 1061 1100		1242 1441 1443	H & B	1421	Matsui	0672
Arcam	0732	Dansai	0770	Harman/Kardon	0582 0702	McIntosh	1533 1273 1373
Aspire Digital	1168 1407	Dantax	1089	Hitachi	0573 0664 0695 1247	Memorex	0690 0695 0831 1270
Audiologic	0736	Daytek	0872	Hiteker	0672	Metronic	0690
Audiovox	0790 1041 1071 1072	Decca	0770	iLo	1348 1472	Microsoft	0522
	1121 1122	Denon	0490 0634	Initial	0717 1472	Minato	0752
Axion	1071 1072 1193	Denver	0778 1107 1316	Innovative Technology	1542	Minowa	1165
B & K	0655 0662	Desay	1407 1455	Integra	0571 0627	Mintek	0839 0717 1472
BBK	1224	Diamond Vision	1316 1609 1610	IRT	0783	Mirror	0752
Bel Canto Design	1571	Dick Smith Electronics	0833 1730	Jaton	1078	Mitsubishi	1521 0521
Bellagio	1245	Digitor	0690	JBL	0702	MixSonic	1130 1611
Blaupunkt	0717	Digitrex	0672 1056	Jensen	1016	Momitsu	1082
Blue Parade	0571	Digix	1272	JMB	0695	MTlogic	1265
Broksonic	0695 0868 1419	Disney	0675 1270	JSI	1423	Mustek	0730 1730
Bush	0690	DiViDo	0705	JVC	0558 0623 0867 1164	Myryad	0894
Byd:sign	0872	DSE	0833 1730		1275 1602	NAD	0591 0692 0741
California Audio Labs	0490	Dual	1068 1085	jWin	1049 1051	Nakamichi	1222
Cambridge Soundworks	0690	Durabrand	1127	Kawasaki	0790	NEC	0785 0869
Cary Audio Design	1477	DVD2000	0521	Kenwood	0490 0534 0682 0737	Nesa	0717
CAVS	1057	ECC	0730	KLH	0717 0790 1020 1149	Next Base	0826
Celestial	1020	Emerson	0591 0675 0821 1268		1261	NexxTech	1402
Centrex	0672 1004	Enterprise	0591	Konka	0711 0719 0720 0721	Nintaus	1051
Centrios	1577	ESA	1443	Koss	0651 0896 1423	Norcent	1003 0872 1107 1265
Changhong	0627 1061	Fintec	1169	Kreisen	1421		1457
Cinea	0831	Fisher	0670	Krell	1498	Olidata	0672
Cinego	1399	Funai	0675 1268 1334	Lafayette	1369	Onkyo	0503 0627 0792

DVD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Oppo	1224	Proscan	0522	Shinco	0717	Toshiba	0503 0695 1045 1154
OptoMedia Electronics	0896	ProVision	0778	Shinsonic	0533 0839	TRANS-continents	0831 1165
Orion	1419	Qwestar	0651	Sigma Designs	0674	Tredex	0799 0800 0803 0804
Oritron	0651	RCA	0522 0571 0717 0790	Slim Art	0784	TYT	0705
Otic	0826		0822 1022 1132 1193	SM Electronic	0690 0730	Umax	0690
Pacific	0831	Recco	0698	Sonic Blue	0869 1099	Universum	0591
Palsonic	0672 0852	Reoc	0752	Sony	0533 1533 0864 1033	Urban Concepts	0503
Panasonic	0503 0490 0632 0703	Revoy	0699		1069 1070 1431 1432	US Logic	0839
	1010 1011 1362 1462	Rio	0869		1433 1548	Venturer	0790
	1490 1762	RJTech	1360	Sova	1122	Vialta	1509
peeKTon	1224	Roadstar	1051	Sungale	1074 1342 1532	Viewmaster	1224
Philco	0690 0790	Rotel	0623 1178	Superscan	0821	Vizio	1064 1226
Philips	0503 0539 0646 0675	Rowa	0823 1004	SVA	0717 0860 1105	Vocopro	1027
	0854 1158 1260 1267	Sampo	0698 0752 1501	Sylvania	0675 0821 1268	Wesder	0699
	1354	Samsung	0490 0573 0744 0820	Symphonic	0675 1268	Wintel	1130
PianoDisc	1024		0899 1044 1075	TAG McLaren	0894	Xbox	0522
Pioneer	0525 0571 0631 0632	Sansui	0695	Tatung	0770	XMS	0770
	1475 1476 1571	Sanyo	0670 0695 0873	Teac	0571 0717 0692 0790	Xoro	1173
Polaroid	1020 1061 1086 1245	Schneider	0783		0809 0833	Xwave	1001
	1316 1478 1480 1482	Schwaiger	0752	Technics	0490 0703	Yamada	0872 1004 1056 1158
Polk Audio	0539	Semp	0503	Technosonic	0730		1416
Portland	0770	Sensory Science	1158	Techwood	0692	Yamaha	0490 0539 0545 0817
Prima	1016	Sharp	0630 0675 0752 1256	Tedelex	0690	Yamakawa	0872
Primare	0886 1467 1618		1419	Terapin	1031	Zenith	0503 0591 0741 0869
Princeton	0674	Sharper Image	1117	Theta Digital	0571	Zeus	0784
Proceed	0672	Sherwood	0633 0770 1043 1077	Thomson	0522	Zoece	1265

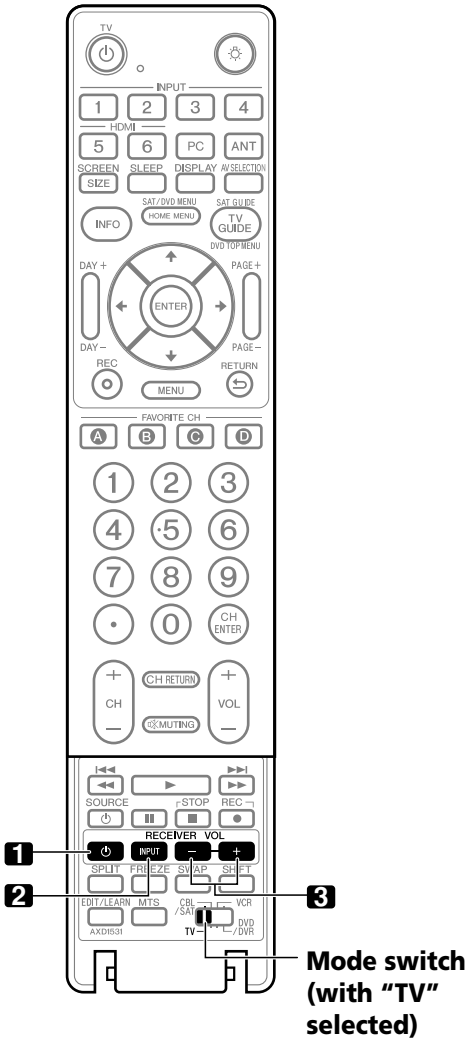
DVD-R

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Apex Digital	1056	Funai	0675 1334	Loewe	0741	Sensory Science	1158
Aspire Digital	1168	Gateway	1073 1158 1194	Magnavox	0646 1506	Sharp	0630 0675 1419
Coby	1086	Go Video	0741 1158 1304 1730	Mustek	1730	Sony	1033 1069 1070 1431
CyberHome	1129 1502	H & B	1421	Panasonic	0490 1010 1011		1432 1433
Denon	0490	iLo	1348	Philips	0646 1158	Sylvania	0675
Dick Smith Electronics	1730	JVC	1164 1275	Pioneer	0631 1475 1476	Yamada	1056 1158 1416
Digitrex	1056	Kreisen	1421	Polaroid	1086	Zenith	0741
DSE	1730	LG	0741	RCA	0522		
Emerson	0675	LiteOn	1158 1416 1440	Samsung	0490		

LD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
Aiwa	0203	Magnavox	0194 0217 0241	Philips	0064 0194	Sega	0023
Carver	0064 0194 0323	Marantz	0064 0194	Pioneer	0059 0023	Sharp	0001
Denon	0059 0172 0241	Mitsubishi	0059 0241	Polk Audio	0194	Sony	0193 0201 0270
Disco Vision	0023	NAD	0059	Quasar	0204	Technics	0204
Funai	0203	Nagsmi	0059	Realistic	0203	Telefunken	0059
GoldStar	0172	NEC	0286	Renaissance	0323	Theta Digital	0194
Harman/Kardon	0194	Optimus	0059	Salora	0064	Victor	0245
Hitachi	0023 0395	Panasonic	0204	Samsung	0323	Yamaha	0217

Using the remote control unit to control other devices



Receiver control buttons

When a Pioneer receiver is connected to the display, use buttons **1** to **3** to operate the receiver.

When a non-Pioneer receiver is connected to the display, the signals for **1** to **3** must first be "learned". See page 92.

1 RECEIVER ⏻ (STANDBY/ON)
Turns the Pioneer receiver power On and Off.

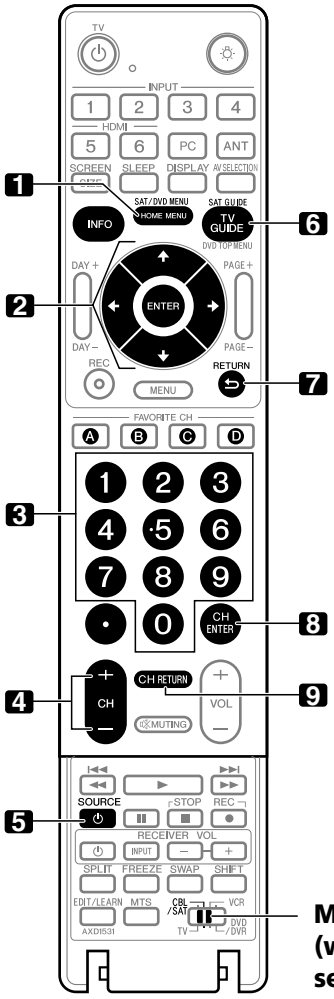
2 RECEIVER INPUT
Selects the input source connected to the Pioneer receiver.

3 RECEIVER VOL +/–
Adjusts the Pioneer receiver volume level

*Press **VOL +** to increase the volume and **VOL –** to decrease it.*

NOTE

- The color-highlighted buttons on the remote control can memorize the control signal from another device's remote control.



CBL/SAT control buttons

When the CBL/SAT function has been preset by the remote control's learning function, the remote control buttons function as shown below.

- When the **Mode switch** is set to CBL/SAT, the cable converter or satellite broadcast tuner connected to the display, use the buttons shown below to operate the device (**3**, **4**, **5**, **8** and **9** for cable converters and **1** to **7** for satellite tuners):
- Cable converters or satellite broadcast tuners made by other manufacturers not listed in the system can be controlled using the remote control if buttons **1** to **9** have already learned the functions. See page 92.

1 SAT MENU
Displays the satellite broadcasting menu screen

2 ENTER, ↑/↓/←/→
ENTER: Activates the selected function
↑/↓/←/→: Selects items on the SAT GUIDE screen or SAT MENU screen

3 0 – 9
Press a button (or buttons) that corresponds to the channel that you want to watch

4 CH +/–
Selects a higher or lower channel

5 SOURCE ⏻
Turns the device sending the image On and Off

6 SAT GUIDE
Displays the satellite broadcasting guide screen
- Set up this button with the learning function if necessary

7 RETURN
When the CBL/SAT menu is displayed, restores the immediately previous screen

8 CH ENTER*
Enters the selected channel with the direct channel selection buttons

9 CH RETURN*
Switches between the current channel and the previous channel you were watching

* Some cable converter manufacturers do not preset **CH ENTER** and **CH RETURN**. Set up these buttons with the learning function if necessary.

NOTE

- CABLE and SAT cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.

VCR control buttons

When the VCR is preset by the remote control's learning function, the remote control buttons function as follows: (**Mode switch** must be set to VCR).

- Press the input selector button (INPUT 1–6) that matches the input terminal connected to the VCR. The VCR can be operated using **1** to **8**.
- VCRs made by manufacturers not listed in the system can be controlled using the remote control if buttons **1** to **8** have learned the functions. See page 92.

1 **CH +/–**
Selects the channel on the VCR

2 ► (PLAY)
Selects playback

3 ◄◄ (RWD)
Rewinds the tape and allows picture search

4 **SOURCE** ⏻
Turns the power of the VCR On and Off

5 **II** (PAUSE/STILL)
Pauses playback and displays still pictures

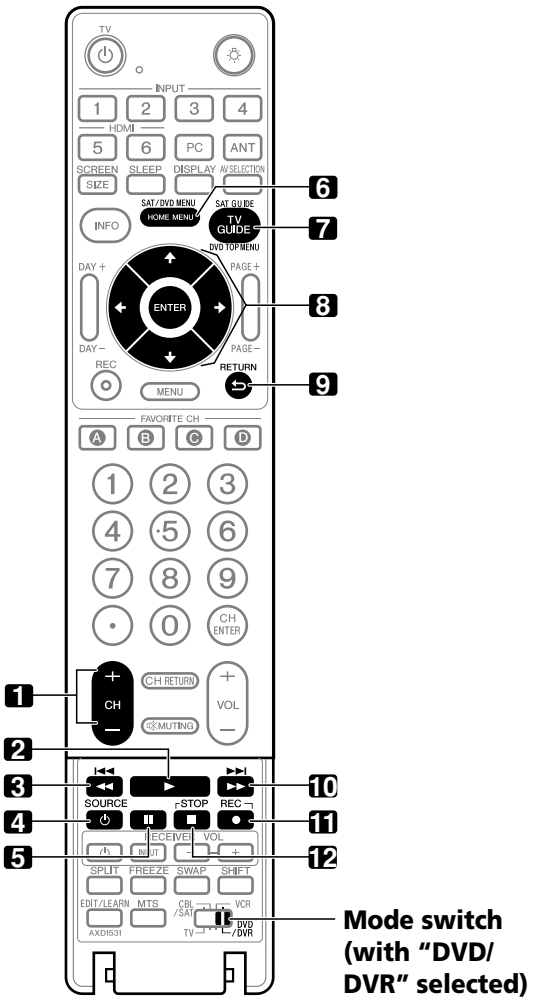
6 ►► (FF)
Rapidly advances the tape and allows picture search

7 ● (REC)
Starts recording

8 ■ (STOP)
Stops tape transport

NOTE

- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.



DVD/DVR control buttons

When the DVD/DVR is preset by the learning function of the remote control, the remote control unit buttons will function as follows when the **Mode switch** of the remote control unit is set to DVD/DVR.

- When the input selector button having the same number as the input terminal connected to a DVD player or DVD recorder is pressed, these players can be operated using **1** to **12**.
- DVD players or DVD recorders made by other manufacturers and not preset can also be operated using the remote control unit if **1** to **12** have learned the functions. See page 92.

1 CH +/– (DVD recorder only)
Changes the channel of the tuner built into the DVD recorder

2 ▶ (PLAY)
Selects playback

3 ◀◀ (SCAN)/I◀◀ (CHAPTER SEARCH)
Continue pressing to go backward
Pressing quickly once takes you to the start of the playing chapter. Each time it is pressed, playback jumps to the start of previous chapter.

4 SOURCE ⏻
Turns the power of the DVD player or DVD recorder On and Off

5 ❚❚ (PAUSE/STILL)
Pauses playback and displays still pictures

6 DVD MENU (DVD, DVD recorder)
Displays the DVD menu

7 DVD TOP MENU (DVD, DVD recorder)
Displays the DVD top menu

8 ENTER, ↑/↓/←/→ (DVD, DVD recorder)
ENTER: Activates the selected function
↑/↓/←/→: Selects items on the DVD MENU screen

9 RETURN
When the DVD menu is displayed, restores the immediately previous screen

10 ▶▶ (SCAN)/▶▶I (CHAPTER SEARCH)
Continue pressing for fast forward
Pressing quickly once takes you to the start of the next chapter. Each time it is pressed, playback jumps to the start of the next chapter.

11 ● (REC) **(DVD recorder only)**
Starts recording

12 ■ (STOP)
Stops playback
If pressing once fails to stop playback on the DVD player or DVD recorder, press twice to open the disc tray.

11, 12 STOP REC (DVD recorder only)
Press and hold ● then press ■ to stop recording. This operation applies to Pioneer DVD recorders only.

NOTE

- A DVD player and a DVD recorder cannot be selected at the same time.
- The color-highlighted buttons on the remote control can learn the control signal from another device's remote control.
- The remote control buttons can control some LD players. For the supported LD players, see the LD brands and codes on page 98.

Troubleshooting

Problem	Possible Solution
GENERAL	
• No power	• Is the power cord disconnected? (See page 25) • Has **POWER** been turned on? (See page 26) • Check if you pressed **TV** ⏻ on the remote control. (See page 26) If the indicator on the system lights up red, press **TV** ⏻.
• Power is suddenly turned off	• Is the sleep timer set? (See page 57) • Check the power control setting. (See page 63) • The system's internal temperature has increased. Clear/clean the vents. (See page 20) • A malfunction may have occurred in the home network module.
• The system cannot be operated	• External influences such as lightning, static electricity, etc., may cause failures. Try turning off the Plasma Display or unplugging the power cord. Wait one to two minutes then restore power to the panel.
• Remote control unit does not operate	• Check if **POWER** is Off. Activate the button when the POWER ON and STANDBY indicators are Off. • Is the Mode switch set correctly? Slide it to the TV position. (See page 19) • Are the batteries inserted with polarity aligned (+, –)? (See page 24) • Are the batteries low? (Replace with new batteries.) (See page 24) • Point the remote control directly at the panel's remote control sensor. (See page 24) • Is the panel under strong or fluorescent lighting? • Is fluorescent light blinding the remote control sensor?
• POWER ON indicator or STANDBY indicator is blinking	• The unit's internal protective circuits may have been activated. Unplug the panel's power cord from the power outlet. Wait one to two minutes then plug in the panel again. If the problem is not solved with this, contact the nearest Pioneer Authorized Independent Service Company, or the Customer Support Division (see back cover).
PICTURE/SOUND	
• Image and sound are absent	• Verify that the input source is a TV channel rather than from a PC or a DVD player. (See page 27) • Check the Parental Control function. (See page 38) Enter a password to temporarily cancel the Parental Control function. (See page 42) • Check the cable connection with the antenna. (See page 23) • Check the cable connection with the source device. (See pages 68 to 74)
• No picture	• Is the connection to other components correct? (See pages 68 to 73) • Is a non-compatible PC signal being input? (See page 72) • Is picture adjustment correct? (See page 58)
• Sound but no picture	• Check if energy-saving "Picture Off" option is selected. With this option selected, the screen is deactivated; only audio is output. To restore the screen display, press any button other than **VOL +/–** and **MUTING**. (See page 63)
• Picture but no sound	• Verify that the volume is set high enough to hear. (See page 28) • Check if the sound is muted. (See page 28) • When using a video or PC input source, verify that the audio terminals are also connected. (See pages 68 to 70 and 72)
• Sound is reversed between the right and left speakers • Sound but from only one speaker	• Check if the speaker cable connections have been reversed between the right and left or if the speaker cable from either speaker has been disconnected. (See page 21) • Has the balance been correctly adjusted? (See page 62)
• Picture is cut off	• Is the image position correct? (See page 64) • Has the correct screen size been selected? (See page 66)
• Colors are too dark/light or appear strange	• Adjust the picture tone. (See page 58) • Is the room too bright? The picture may appear dim in a room that is too bright.

Problem	Possible Solution
OTHER	
• TV-Guide data is unavailable	• If TV-Guide data cannot be obtained with ANT.A selected for cable connection, select ANT.B for over the air. In addition, perform the TV-Guide setup again (see page 33): - Select “No” for cable service on Screen 3. - Select “Yes” for antenna service on Screen 5. - Select “ANT B IN” on Screen 4.
• An external device connected to the USB terminal does not operate	• Confirm that the device is connected to the display. (See page 76) • Disconnect then reconnect the USB cable. (See page 76) • Check that the USB cable is shorter than 5 m. (See page 76) • Check if the USB cable is properly connected. (See page 76) • Turn Off then On the main power to confirm that the USB device is working. • Check if the external device works correctly after the USB device was restarted. • Verify that the digital camera is set to take a picture. • Confirm that the digital camera is placed in Mass Storage mode. • To change the digital camera’s configuration, refer to the camera’s instruction manual.
• Photo data stored in a digital still camera cannot be read through USB interface	• Confirm that the device is connected to the display. (See page 76) • Verify that the digital camera is turned On.
• Panel sounds/noises	• Panel generated sounds, examples: Fan motor noise, Electrical Circuit Humming/Glass Panel buzzing are normal operation of a phosphor-based matrix display. Experiment with the available Energy Save modes to find the best setting for your use. (See page 63)
• Screen shows uneven brightness on the sides	• Play content that completely fills the screen until unevenness is minimized. Some signals may require the AV mode setting to be changed. (See page 65)
Home Media Gallery/NETWORK	
• No servers are found	• Confirm that the PC is On and not in Standby or Sleep. (nothing is chosen in “Select Servers”). When the PC has started with the “Wake On LAN” (WOL), check if the PC complies with WOL or if the WOL setup has been properly done on the device manager for BIOS or Windows. • Check the physical connections (hub, 100BASE-TX/10BASE-T, or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. • Check the logical connections (IP Address setup, DHCP, etc.). Confirm the IP Address is correct if acquired by Auto IP and Firewall setup. Also check if the IP Address is properly acquired with DHCP on the “Network Setup” screen that follows the “Setup” menu. • Check the PC if its media server (Windows Media Connect or DLNA compliant) is running. Restart if necessary. Check if one or more servers are On (this may cause malfunction). • Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. • Check the media server setup. If a client is registered manually the setup procedure may have to be run again. An option “Not Allowed” may have been selected for connections. • Wait for a short period then select “Update to Latest Information” from the Tool Menu. (See page 78)
• No previously connected server(s) found (items in “Select Servers” are dimmed)	• Confirm that the PC is On and not in Standby or Sleep. (nothing is chosen in “Select Servers”). When the PC has started with the “Wake On LAN” (WOL), check if the PC complies with WOL or if the WOL setup has been properly done on the device manager for BIOS or Windows. • Check the physical connections (hub, 100BASE-TX/10BASE-T or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. • Check the logical connections (IP Address setup, DHCP, etc.). Confirm the IP Address when acquired by Auto IP and Firewall setup. Also check if the IP Address is properly acquired with DHCP on the “Network Setup” screen that follows the “Setup” menu. • Check the PC if its media server (Windows Media Connect or DLNA compliant) is running. Restart it if necessary. Check if one or more servers are On (this may cause malfunction). • Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. • Check the media server setup. A setup procedure may be required for connections if a client is registered manually. An option “Not Allowed” may have been selected for connections. • Wait for a while and select “Update to Latest Information” from the Tool Menu. (See page 78)
• An available server is selected but cannot be navigated	• Check if the server is correctly set up for file sharing, if the target folder has been deleted, or if one or more folders have been corrupted on the server. • Check if there are too many files in each folder.
• A server is arbitrarily selected	• This arbitrary selection happens when the server you used before had been set to display the top menu screen (if you reset it, other servers connected are also reset). When the “Single Server/USB” option is selected on the “Auto Connection Setup” screen that follows the “Setup” menu, the server is automatically accessed if only one server is connected. Use the Tool Menu to select the proper server. (See page 78)
• File/folder configuration differs from one server to another (strange configuration)	• The Media Navigator displays the server contents as classified by the server. • If no information (such as ID3 tag) is contained in the file, files cannot be classified on the server.

Problem	Possible Solution
Home Media Gallery/PLAYBACK	
• Image or sound is interrupted or distorted (Block noise appears)	• Check the physical connections (hub, 100BASE-TX/10BASE-T, or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. • Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. • Check if the file complies to the supported format, bit rate or profile. Also check if the file is damaged. • When connected by a wireless LAN, check if the bit rate is sufficient. • Some files that comply with the supported format may not be played back or displayed.
• Cannot play or display	• Check the physical connections (hub, 100BASE-TX/10BASE-T, or crossed cable and other cable quality when cabled directly to a PC). It is strongly recommended to use 100BASE-TX for playback quality and display speed. • Check if the PC is operating properly. Reboot the PC after confirming its specifications and setup. • Check if the file complies to the supported format, bit rate or profile. Also check if the file is damaged. • Check if the leasing contract for the server has expired. • When connected by a wireless LAN, check if the bit rate is sufficient. • Some files that comply with the supported format may not be played back or displayed. • It takes time to capture and display a large-sized image. If this is the case, no operation may be performed. • See the Pioneer website (www.pioneerelectronics.com) for the formats that are supported.
Home Media Gallery/FIRMWARE	
• No updates are possible on USB	• Check if the device is Mass Storage Class compliant, if it is connected properly, nothing is damaged (power unit, mode such as Mass Storage mode and media format, etc.), if it contains the supported files, and if the speed of the device is sufficient (poor device speed may result in interrupted or delayed display of images due to a bit-rate problem). When using a digital camera that is not Mass Storage Class compliant, insert the Flash Memory card into the multi-card reader. • Confirm that the device is correctly inserted or removed. • Check that the firmware file has been correctly downloaded. Also check the file size. • See the Pioneer website (www.pioneerelectronics.com) for details.
Home Media Gallery/USB	
• USB devices are not properly recognized	• Check if the device is Mass Storage Class compliant, if it is connected properly, nothing is damaged (power unit, mode such as Mass Storage mode and media format, etc.), if it contains the supported files, and if the speed of the device is sufficient (poor device speed may result in interrupted or delayed display of images due to a bit-rate problem). When using a digital camera that is not Mass Storage Class compliant, insert the Flash Memory card into the multi-card reader. • Confirm that the device is correctly inserted or removed. • No USB hub is supported. When you connect a home network, connect directly to the device's USB port.
• Image or sound is interrupted or distorted (Block noise appears)	• Verify that the file complies with the supported format, bit rate or profile. Also check the file for damage. • Some files that comply with the supported format may not play back or display properly. • Check if the device is Mass Storage Class compliant, if it is connected properly, nothing is damaged (power unit, mode such as Mass Storage mode and media format, etc.), if it contains the supported files, and if the speed of the device is sufficient (poor device speed may result in interrupted or delayed display of images due to a bit-rate problem). When using a digital camera that is not Mass Storage Class compliant, insert the Flash Memory card into the multi-card reader.

If one of the following error codes appear on screen, check the corresponding message.

Code	Message	Check
SD04 and SD11	Powering off. Internal temperature too high. Check temperature around PDP.	Check if the ambient temperature of the Plasma Display is high.
SD05	(PRO-1540HD/PRO-1140HD) Internal protection circuit turns power off. Is there a short in speaker cable?	Check the speaker cable connections between the Plasma Display and the speakers.
	(PRO-940HD) Internal protection circuit turns power off.	Contact the nearest Pioneer Authorized Independent Service Company or the Customer Support Division. (See back cover)

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Ty Coon, President of Vice

That's all there is to it!

Specifications

Item			60" Plasma Display Model: PRO-1540HD	50" Plasma Display Model: PRO-1140HD	42" Plasma Display Model: PRO-940HD
Number of pixels			1365 × 768 pixels	1365 × 768 pixels	1024 × 768 pixels
Audio Amplifier			13 W + 13 W (1 kHz, 10 %, 8 Ω)	13 W + 13 W (1 kHz, 10 %, 8 Ω)	13 W + 13 W (1 kHz, 10 %, 8 Ω)
Speakers			–	–	Woofer: 4.8 cm × 13 cm cone type Tweeter: 2.5 cm semidome type
Surround System			SRS/FOCUS/TruBass	SRS/FOCUS/TruBass	SRS/FOCUS/TruBass
Power Requirement			120 V AC, 60 Hz, 460 W (30 W Standby)	120 V AC, 60 Hz, 355 W (26 W Standby)	120 V AC, 60 Hz, 312 W (26 W Standby)
Weight			Main unit: 51.5 kg (113.6 lbs.)	Main unit: 34.3 kg (75.7 lbs.)	Main unit: 29.2 kg (64.4 lbs.) Stand: 2.5 kg (5.5 lbs.) (including bolts) Total: 31.7 kg (69.9 lbs.)
Reception System (Digital)			ATSC Digital TV system		
	Circuit type		8VSB/64QAM/256QAM/QPSK demodulation		
	Tuner	VHF/UHF	VHF Ch. 2 to 13 UHF Ch. 14 to 69		
		CATV	Ch. 2 to 135		
	Audio format		Dolby Digital		
Reception System (Analog)			American TV standard NTSC system		
	Circuit type		Video signal detection PLL full synchronous detection, PLL digital Synthesizer system		
	Tuner	VHF/UHF	VHF Ch. 2 to 13 UHF Ch. 14 to 69		
		CATV	ANT/CABLE A IN Ch. 1 to 135 ANT B IN Ch. 1 to 125		
	Audio multiplex		BTSC system		
Terminals	Rear	ANT/CABLE A IN	75 Ω UNBAL, F Type for DTV/VHF/UHF/CATV in		
		ANT B IN	75 Ω UNBAL, F Type for VHF/UHF/CATV in Loop out		
		INPUT 1	S-VIDEO in, VIDEO in, AUDIO in		
		INPUT 2	COMPONENT VIDEO in, S-VIDEO in, VIDEO in, AUDIO in		
		INPUT 3	COMPONENT VIDEO in, AUDIO in		
		PC	Analog RGB in, AUDIO in		
		INPUT 5	HDMI in*, AUDIO in		
		INPUT 6	HDMI in*, AUDIO in		
		MONITOR OUT	VIDEO out, AUDIO out		
		Digital Audio Output	Optical		
		G-LINK	1		
		ETHERNET	1		
		CONTROL IN	1		
		CONTROL OUT	1		
		SPEAKER	8 Ω to 16 Ω	8 Ω to 16 Ω	–
		SUB WOOFER OUTPUT	Variable		
		CableCARD	Point of Deployment		
	Side	INPUT 4	COMPONENT VIDEO in, VIDEO in, AUDIO in		
		USB	USB in**		
On-screen display languages			English/French/Spanish		

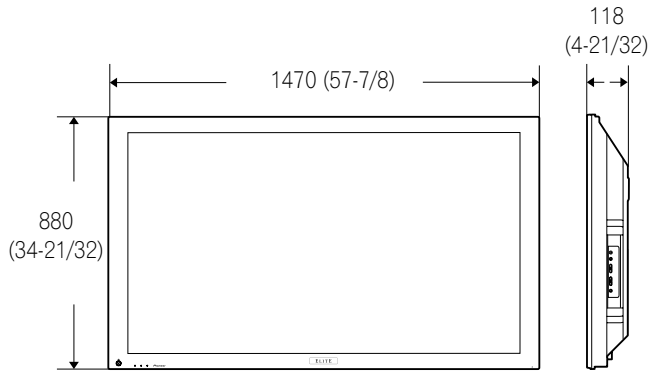
* This conforms to HDMI1.1 and HDCP1.1.
HDMI (High Definition Multimedia Interface) is a digital interface that sends both video and audio signals through a single cable.
HDCP (High-bandwidth Digital Content Protection) is a technology used to protect copyrighted digital content that use Digital Visual Interface (DVI).

** This conforms to USB 1.1 and 2.0 specifications.

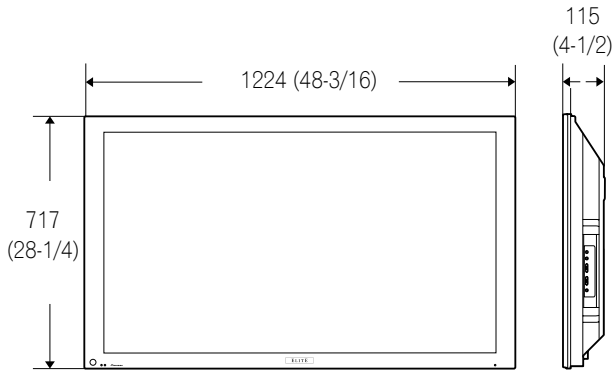
• Design and specifications are subject to change without notice.

Dimensions

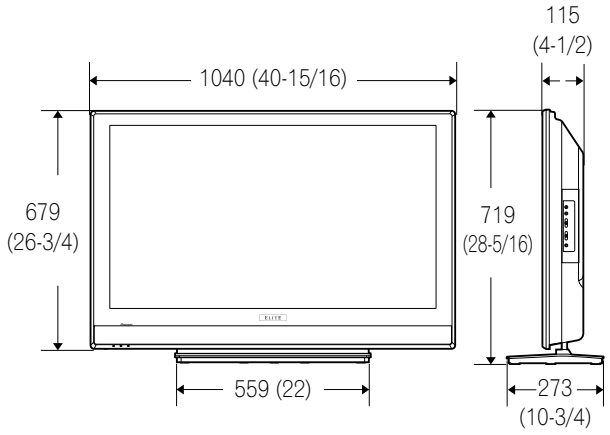
PRO-1540HD
Unit: mm (inch)



PRO-1140HD
Unit: mm (inch)



PRO-940HD
Unit: mm (inch)



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DCR is unavailable in Canada.
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Customer Support Division
P.O. BOX 1760
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